The Bridge

PFE BOOK

2027-2028

bee coders

The Bridge

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The Bridge

WHO WE ARE

Established in 2020, Bee Coders is a digital services company dedicated to
craft unique, custom digital solutions that truly make an impact. With a focus
on innovation and a commitment to excellence, we specialize in delivering
digital products and experiences that redefine industry standards and set our
clients on a path to digital success.
Since its establishment, Bee Coders has been cultivating a corporate culture
centered around Flexibility, Support, Quality, These principles represents the
very essence of the companie's core values.

The Bridge

Concept In Business

Enrolled Students

3,800+

Courses

50+

Trainers

20+

The Bridge

How to apply

Choose a topic

Select one or two subjects from the available topics, ensuring to note the exact reference.

fill out the form

- To proceed with your application, please fill out the form below. This form will collect your personal information, relevant web development links, and other details necessary for us to assess your fit for the internship program.
- Form Link :[https://forms.gle/mk3gWBa2asojGjRC9]

Interviews

This includes an initial HR phone call, followed by technical and HR interviews.

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PROJECTS LIST

The Bridge

TOPICS

- WEB & MOBILE DEVELOPMENT
- Business Intelligence
- Internet of Things
- Artificial Intelligence
- Augmented Reality (AR)

The Bridge

Project 1

WEBSITE GENERATOR

Building a "user-Friendly Website Builder" that enables anyone, regardless of their level of technical expertise, to create websites directly from their smartphones. This responsive web development tool simplifies the process of designing and launching websites, making it accessible to a broad user base.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The Bridge

Project 2

Pay at Table QR Solution

a system that allows restaurant customers to quickly pay by scanning a QR code at their table. They can view the bill, select a payment method, and complete the transaction without waiting for the server. This solution enhances the customer experience by streamlining payment processes and helping restaurants manage transactions more efficiently.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 3

Female Safe Digital Community

online platform designed to empower women socially and professionally by creating a safe space for connecting around shared interests. This inclusive environment encourages women to share experiences, access resources, and support one another. Features may include professional training, support groups, and networking opportunities tailored specifically to address women's needs and concerns.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The Bridge

Project 4

: Interactive and Responsive Online Shop Showcase

develop an online storefront, allowing merchants to present their products in an interactive and attractive way. This showcase includes a product catalog organized by categories, an advanced search system with filters, and a customizable interface to adapt to the merchant's visual identity. It is also optimized for smooth navigation on all types of devices (computer, tablet, mobile).

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The Bridge

Project 5

WafR

WafR is a mobile wallet designed for small informal merchants in emerging markets. It helps them offer financial services and increase their profit margins by enabling digital transactions with customers. Merchants can open an account on the app, and customers can pay by scanning a QR code. This simplifies payments, promotes financial inclusion, and gives merchants easy access to financial services.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 6

SOCIAL MEDIA PLATFORM FOR INFLUENCERS

Developing a social media platform for Influencer leveraging their online presence to not only engage with their audience but also to generate revenue.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 7

IT NEWS AND EVENTS PLATFORM

Developing a website that gathers IT news and events in Tunisia. The website can serve as a valuable resource for the IT community in Tunisia, keeping them informed about the latest news, events, and developments in the field.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 8

BABYSITTING PLATFORM

The babysitting platform aims to connect busy parents with trustworthy babysitters, providing a reliable solution for childcare needs. Parents can browse a list of qualified babysitters based on their availability, location, and specific needs. Babysitters can create profiles showcasing their experience, certifications, and skills. Features include real-time booking, reviews, and secure payment options to ensure ease and safety for both parties. The platform serves as a secure and convenient way for parents to find vetted childcare professionals and for babysitters to find job opportunities.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 9

EVENT MANAGEMENT CRM

This CRM for event planners simplifies managing registrations, attendee communication, vendor coordination, and feedback collection, making event organization more efficient and enhancing the attendee experience.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 10

SOCIAL MEDIA PLATFORM FOR INFLUENCERS

Developing a social media platform for Influencer leveraging their online presence to not only engage with their audience but also to generate revenue.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

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1 or 2 interns

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Project 11

GYM ACCESS CONTROL SYSTEM

Develop a CRM for fitness centers to handle membership management, class scheduling, personal trainer bookings, and fitness progress tracking for clients and create a secure and convenient gym access control system using facial recognition technology. This system allows registered gym members to enter the facility by simply showing their face to a camera.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

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Project 12

RESTAURANT MENU DISPLAY APPLICATION

A solution that introduces a designed system for showcasing restaurant menus through QR codes scan with comprehensive details, including descriptions and prices, diners can make informed choices.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

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1 or 2 interns

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Project 13

BOOKS AND READING PLATFORM

Developing a solution to elevate reading experience and collect community of reader. It offers a range of features to enhance the reading journey offering reading time tracker, book marketplace, reading reminders, Badges system for motivation and challenges.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

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Project 14

QR CODE BUSINESS CARD GENERATOR

Developing an application designed to simplify and modernize the exchange of contact information. It offers a convenient way for individuals and professionals to create digital business cards that can be easily shared with others via QR codes.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 15

E-LEARNING LANGUAGE PLATFORM SERVICE

Developing an e-learning platform/application that serves as a dynamic alternative to language learning services like Cambly. This platform is specifically designed to connect individuals eager to learn different languages in real time with experienced, professional/ natives , creating an engaging and effective learning experience.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 16

CAR SALES AGENCY PLATFORM WITH QR CODE INFORMATION RETRIEVAL

Developing a responsive platform designed to streamline car sales agencies operations by providing a convenient way to store and access information for each vehicle they have for sale. Customers visiting the agency can effortlessly retrieve information about a car by simply scanning its QR cod

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

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1 or 2 interns

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Project 17

TRANSPORTATION SERVICES

Developing a responsive platform that brings together transporters and users seeking transportation services. This app streamlines the process by suggesting suitable transporters based on the journey details and quantity of items to be transported. It also provides estimated prices and facilitates the creation of formal quotations (devis).

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 18

CONTENT PROPOSITION AND SOCIAL MEDIA AUTOMATION

Developing a platform to assist individuals and businesses in efficiently managing their social media presence by offering content suggestions and automating content posts.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

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1 or 2 interns

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Project 19

PAID SURVEYS AND MARKETING VIDEO VIEWING

Developing a platform to facilitate direct marketing efforts by offering users the opportunity to participate in paid surveys and watch marketing videos. It serves as a direct marketing tool for businesses to reach their target audience and gather valuable insights.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

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1 or 2 interns

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Project 20

HR PLATFORM: STREAMLINING THE ENTIRE HR PROCESS

Developing a platform for Human Resources to automate and streamline the entire HR process. It offers a wide range of features to enhance HR management, from recruitment and filtering v's automatically to interviewing online .

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 21

TRAVELER'S CONNECTION APP

Developing social app to bring travelers together, enabling them to connect with like-minded individuals, explore thrilling destinations, share their travel stories, and discover exciting activities and experiences. Additionally, the app suggests tour guides for solo travelers and facilitates group travel coordination.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 22

LOCAL FOOTBALL MATCHUP PLATFORM

Developing a platform to bring together people in the same area who have a shared passion for playing football. It provides an interface for individuals to create football groups, organize matches within the platform, and decide on the location and timing of these games.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 23

RESPONSIVE ELDERLY ASSISTANCE PLATFORM

Developing a platform that provide comprehensive support and assistance to the elderly, catering to their various needs and enhancing their quality of life. The platform offers a wide range of features to address physical, emotional, and social well-being for seniors.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 24

PLATFORM CONNECTING LEARNERS WITH TRAINING CENTERS

Creating a platform that connects learners with training centers and educational services where Learners can found all trainings in in one place in addition to booking or enrolling in training programs directly through the platform without the need to access for each center individually.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 25

Crowdfunding platform

Creating a platform where users can start and support projects, with sharing options and contribution tracking.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The Bridge

Project 26

Property Rental Management System

Creating A platform that helps manage real estate rentals with features for managing payments, contracts, and communications between tenants and owners.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 27

Niche Social Network

Creating A platform social network focused on a specific area (e.g. music, sports, art) with features such as groups, events, and media sharing.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 28

Collaborative Project Management App

Creating A platform that allows teams to plan, assign tasks, track progress, and collaborate in real-time.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 29

Health Tracking App

Creating A platform that allows users to track their diet, workouts, and health metrics (sleep, hydration, etc.).

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 30

Interactive Developer Portfolio

Creating A platform where developers can display their projects, get recommendations, and interact with other developers.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 31

Stock Portfolio Tracking App

Creating A platform where users can track and analyze their stock investments, receive alerts and recommendations.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 32

Student Mentoring Platform

Creating A platform that connects students with mentors for online coaching sessions and career advice.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 33

Online Tutoring Platform

Creating A platform that connects students with tutors, enabling appointment scheduling, video conferencing sessions, and progress tracking.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The Bridge

Project 34

Social network for readers

Creating A platform that allows users to share their opinions on books, create online reading clubs, and discover new readings through a recommendation system.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 35

Organized travel application

Creating A platform that will allow users to discover, book and manage organized trips. Users will be able to explore different itineraries, register for excursions, and benefit from simplified management of reservations and payments.

Required skills

Spring Boot - Angular

React Js - Node Js

Flutter

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The Bridge

TOPICS

- WEB & MOBILE DEVELOPMENT
- Business Intelligence
- Internet of Things
- Artificial Intelligence
- Augmented Reality (AR)

The bridge

Project 1

CUSTOMER SEGMENTATION DASHBOARD

Build a dashboard that segments customers based on their purchase history, demographics, and behavior. Use visualizations to help businesses understand customer groups and tailor marketing strategies accordingly.

Required skills

Talend
Power BI
Python

Business intelligence (BI)

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 2

PROCUREMENT DECISION INSIGHTS

This dashboard helps your company make informed decisions about procurement by providing real-time data on supplier performance, inventory management, and cost analysis. It streamlines the purchasing process, reduces costs, and ensures a reliable supply chain.

Required skills

Talend
Power BI
Python

Business intelligence (BI)

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 3

SALES DECISION INSIGHTS

Design a dashboard that helps the company make data-driven decisions about sales strategies, customer targeting, pricing, and product offerings. It enables it to optimize sales processes, increase revenue, and improve customer satisfaction.

Required skills

Talend
Power BI
Python

Business intelligence (BI)

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 4

TRAINING CENTERS SOCIAL MEDIA INSIGHTS

Design a dashboard based on scraping data of training center to help in decision-making for better social media marketing strategy.

Required skills

Talend
Power BI
Python

Business intelligence (BI)

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 5

Sales Dashboard for a Retailer

Create an interactive dashboard that analyzes sales, revenue, and product trends, allowing users to view performance by region, product category, and time periods.

Required skills

Talend
Power BI
Python

Business intelligence (BI)

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 6

Customer Satisfaction Data Analysis

Design a system that collects and analyzes customer reviews and feedback from different sources (surveys, social media, emails) to generate insights on satisfaction and areas for improvement.

Required skills

Talend
Power BI
Python

Business intelligence (BI)

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 7

Automated Financial Reporting

Develop a BI tool that extracts financial data from an ERP system, analyzes it, and generates automated reports on key performance indicators such as profit margin, revenue, and expenses.

Required skills

Talend
Power BI
Python

Business intelligence (BI)

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 8

Human Resources KPI Tracking

Design a BI dashboard that tracks HR performance indicators such as employee turnover, absenteeism, employee satisfaction, and training costs.

Required skills

Talend
Power BI
Python

Business intelligence (BI)

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 9

Sales Predictive Analytics

Implement a BI model that integrates machine learning algorithms to predict future sales based on historical data, seasonal trends, and external factors.

Required skills

Talend
Power BI
Python

Business intelligence (BI)

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 10

Supply Chain Optimization

Create a BI solution that tracks and analyzes supply flows, identifies bottlenecks, and provides recommendations to improve logistics efficiency.

Required skills

Talend
Power BI
Python

Business intelligence (BI)

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 11

Application User Behavior Analytics

Design a dashboard that analyzes user interactions with a web or mobile application, allowing you to track retention rates, most used features, and typical user journeys.

Required skills

Talend
Power BI
Python

Business intelligence (BI)

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 12

Product Recommendation System

Use sales and customer behavior data to create a BI system that generates personalized product recommendations and analyzes the impact of recommendations on sales.

Required skills

Talend
Power BI
Python

Business intelligence (BI)

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 13

Energy Performance Dashboard

Develop a dashboard to track the energy consumption of a company or infrastructure, with alerts for anomalies and suggestions to reduce energy costs.

Required skills

Talend
Power BI
Python

Business intelligence (BI)

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 14

Financial Risk Analysis

Create a tool that collects internal and external financial data to assess the risks related to investments and financial decisions, with risk indicators and forecasts.

Required skills

Talend
Power BI
Python

Business intelligence (BI)

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 15

Customer Segmentation Study

Use BI to segment a company's customer base according to demographic, behavioral or financial criteria, in order to optimize marketing campaigns and personalization.

Required skills

Talend
Power BI
Python

Business intelligence (BI)

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 16

Project Management Dashboard

A BI tool that helps track project progress, deadlines, allocated resources, and success indicators, facilitating the management of multiple projects in parallel.

Required skills

Talend
Power BI
Python

Business intelligence (BI)

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The Bridge

TOPICS

- WEB & MOBILE DEVELOPMENT
- Business Intelligence
- Internet of Things
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- Augmented Reality (AR)

The bridge

Project 1

Smart Home System

This smart home IoT system allows you to control appliances, monitor temperature with alerts, detect gas leaks in real time and secure access via an RFID module. It combines comfort, security and energy efficiency

Required skills

ESP32
Capteurs (MQ-135, DHT11, RFID)
Relais
Electric locking door lock
MQTT or cloud-based IoT integration
Application Development

IoT, Smart Home, Security

From 4 to 6 months

Iac 1 ,Tunis \ remotely

1 or 2 interns

The Bridge

Project 2

Smart Trash Bin

Une poubelle connectée qui ouvre automatiquement son couvercle lorsque quelqu'un s'approche et notifie l'utilisateur lorsque le niveau de déchets atteint une limite.

Required skills

ESP32
Capteurs PIR et ultrasons
Servo Motor
MQTT or cloud-based IoT integration
Application Development

IoT, Smart Home, Security

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 3

IoT Pet Feeder

A system that automatically distributes food to pets and alerts the user when the food level is low.

Required skills

ESP32
Capteurs ultrasons
Moteurs (servo, pas-à-pas)
MQTT or cloud-based IoT integration
Application Development

IoT, Smart Home, Security

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The Bridge

Project 4

Smart Agriculture Monitoring System

An IoT system that monitors crop conditions (soil moisture, temperature, water level) and automates watering as needed.

Required skills

ESP32
Capteurs (humidité du sol, température)
Contrôle d'une pompe à eau
MQTT or cloud-based IoT integration
Application Development

IoT, Smart Home, Security

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The Bridge

Project 5

IoT Health Monitoring Bracelet

Develop a connected health bracelet that tracks heart rate, body temperature, and physical activity. It sends the data to a mobile application for continuous health monitoring.

Required skills

Talend
Power BI
Python

IoT, Smart Home, Security

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 6

GPS-Based Vehicle Tracker

An IoT solution that uses GPS technology to track the location of vehicles in real time. The data is visualized on an interactive map for easy tracking.

Required skills

ESP32
GPS module (Neo-6M)
Google Maps API
Développement d'applications
MQTT or cloud-based IoT integration

IoT, Smart Home, Security

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 7

Intelligent Parking System

A smart parking system that uses infrared sensors to detect available spaces and display this information on an app or digital sign. The goal is to optimize parking efficiency and reduce congestion.

Required skills

ESP32
IR sensors, RFID
LCD display
MQTT or cloud-based IoT integration
Développement d’applications

IoT, Smart Home, Security

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

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Project 8

Smart Home Alarm System

Description

A connected alarm system based on ESP32, using motion (PIR) and magnetic sensors to detect intrusions, with an
audible alarm and real-time notifications via application or SMS.
Integrated with IoT platforms, it allows to monitor and manage security remotely.

Required skills

ESP32
PIR motion sensors, magnetic sensors
Buzzer et indicateurs LED
Développement d'applications
MQTT or cloud-based IoT integration

IoT, Smart Home, Security

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

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- Business Intelligence
- Internet of Things
- Artificial Intelligence
- Augmented Reality (AR)

The bridge

Project 1

AI-Personalized Book Recommendation Platform

A website that suggests books based on reading habits, preferences, and current interests, using natural language processing (NLP) to analyze user reviews and trends.

Required skills

Python
React
Node JS
Machine Learning
MySQL

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Artificial Intelligence

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 2

AI-Powered Story Generator

A site where users provide a theme, setting, or character, and AI generates a short story, offering variations to inspire writers

Required skills

Python
React
Node JS
Machine Learning
MySQL

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Artificial Intelligence

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 3

Smart Shopping Assistant

mobile app serves as a personalized shopping assistant by recommending products based on user purchase history, preferences, and shopping trends. By analyzing data on user behavior and preferences, the AI suggests items that align with individual tastes, seasonal trends, and past purchases. This helps users discover relevant products and streamlines their shopping experience.

Required skills

Python
React
Node JS
Machine Learning
MySQL

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Artificial Intelligence

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 4

AI-Based Image Recognition for Plant Disease Detection

application assists farmers by allowing them to capture images of their plants and instantly receive diagnostics about possible diseases. The app analyzes the uploaded photos to detect common plant diseases and provides treatment recommendations. It aims to help farmers address plant health issues early, minimizing crop loss and optimizing yield.

Required skills

Python
React
Node JS
Machine Learning
MySQL

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Artificial Intelligence

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The Bridge

Project 5

AI-Enhanced Recipe Recommendation App

This app recommends recipes based on ingredients users have at home, dietary preferences, and health goals. Users can scan or input ingredients, and the AI generates recipes that utilize them. Additionally, users can track their nutritional intake with meal logging, and the app provides insights to improve their diet.

Required skills

Python
React
Node JS
Machine Learning
MySQL

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Artificial Intelligence

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The Bridge

Project 6

Automated Resume Builder

A website where users input career data and job preferences, and AI helps craft customized resumes and cover letters, enhancing keywords and design for specific job postings.

Required skills

Python
React
Node JS
Machine Learning
MySQL

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Artificial Intelligence

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 7

Automated Real Estate Price Estimator

A website where users input career data and job preferences, and AI helps craft customized resumes and cover letters, enhancing keywords and design for specific job postings.

Required skills

Python
React
Node JS
Machine Learning
MySQL

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Artificial Intelligence

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The Bridge

Project 8

AI-Powered Virtual Fitness Coach

A site that creates personalized workout plans based on user input (fitness goals, body type, injuries) and provides real-time form correction and progress tracking using computer vision.

Required skills

Python
React
Node JS
Machine Learning
MySQL

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Artificial Intelligence

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 9

AI DRESSING RECOMMANDATION SYSTEM

Building an online dressing allowing users to incorporate their own clothing items into the platform by taking photos of their clothes, this makes it easier to plan their outfits based on their existing wardrobe. Aditionnaly to developing a recommendation system that suggests what to wear based on factors like weather, event, mood, and personal style preferences.

Required skills

Python
React
Node JS
Machine Learning
MySQL

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Artificial Intelligence

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The bridge

Project 10

REVOLUTIONIZING MALL SHOPPING EXPERIENCE

Developping a solutions to enhance the mall experience, helping users discover stores and get their directions, uncover exclusive deals, and stay updated on upcoming events.

Required skills

Python
React
Node JS
Machine Learning
MySQL

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Artificial Intelligence

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The Bridge

TOPICS

- WEB & MOBILE DEVELOPMENT
- Business Intelligence
- Internet of Things
- Artificial Intelligence
- Augmented Reality (AR)

The Bridge

Project 1

AR for Interactive Children's Books

This app brings printed children's books to life, using AR to animate characters and scenery when viewed through a mobile device. Kids can watch stories unfold and interact with characters, creating a blend of physical and digital storytelling.

Required skills

Python
React
Node JS
c#
Unity
3D

Software engineering
Game development

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2
interns

The Bridge

Project 2

Personalized Home Visualization with AI and Augmented Reality

This app allows users to visualize furniture, decor, and other home items within their physical space using augmented reality (AR). Users can scan their room to create a digital model and then place items virtually to see how they look before buying. An AI component learns user preferences based on past selections and shopping behavior, suggesting items that match their style, room dimensions, and budget.

Required skills

Python
React
Node JS
c#
Unity
3D

Software engineering
Game development

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2
interns

The Bridge

Project 3

AR Educational Game for Learning Languages

AR app enhances language learning by overlaying translations on real-world objects. Users aim their phone at items (e.g., "table" or "apple"), and the app displays translations, pronunciation, and example sentences. Gamification elements encourage daily practice and reward learning milestones, helping users retain vocabulary in an immersive way.

Required skills

Python
React
Node JS
c#
Unity
3D

Software engineering
Game development

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2
interns

The bridge

Project 4

VIDEO GAME SIMULATION FOR ROAD SAFETY EDUCATION

Developing a video game simulation to provide an engaging and educational experience for individuals learning the rules of the road. This interactive game offers a realistic and immersive environment that promotes safe driving practices and helps users develop essential skills for responsible road behavior.

Required skills

c#
Unity
3D

Each project is versatile and you have the possibility to customize it and add a business intelligence or devops automation or artificial intelligence part according to your needs.

Software engineering
Game development

From 4 to 6 months

lac 1 ,Tunis \ remotely

1 or 2 interns

The Bridge

THANK YOU!

+216 58 840 064

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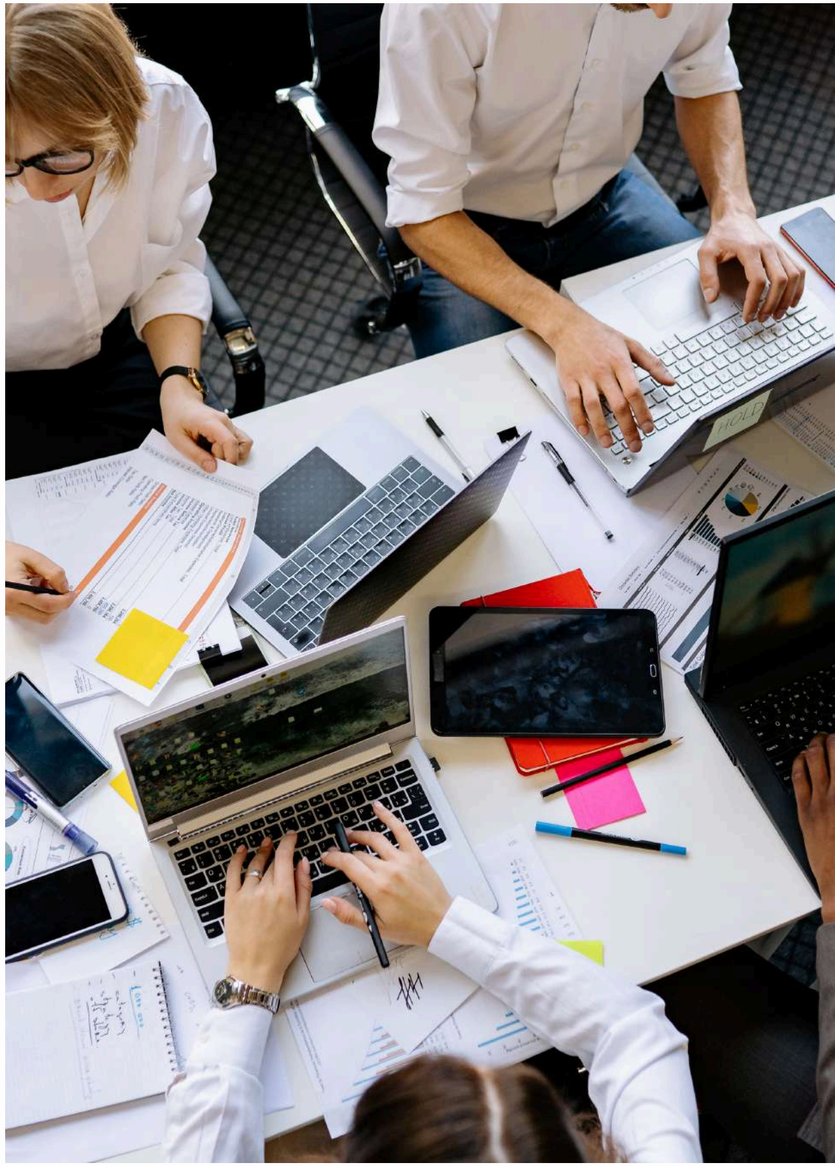
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