



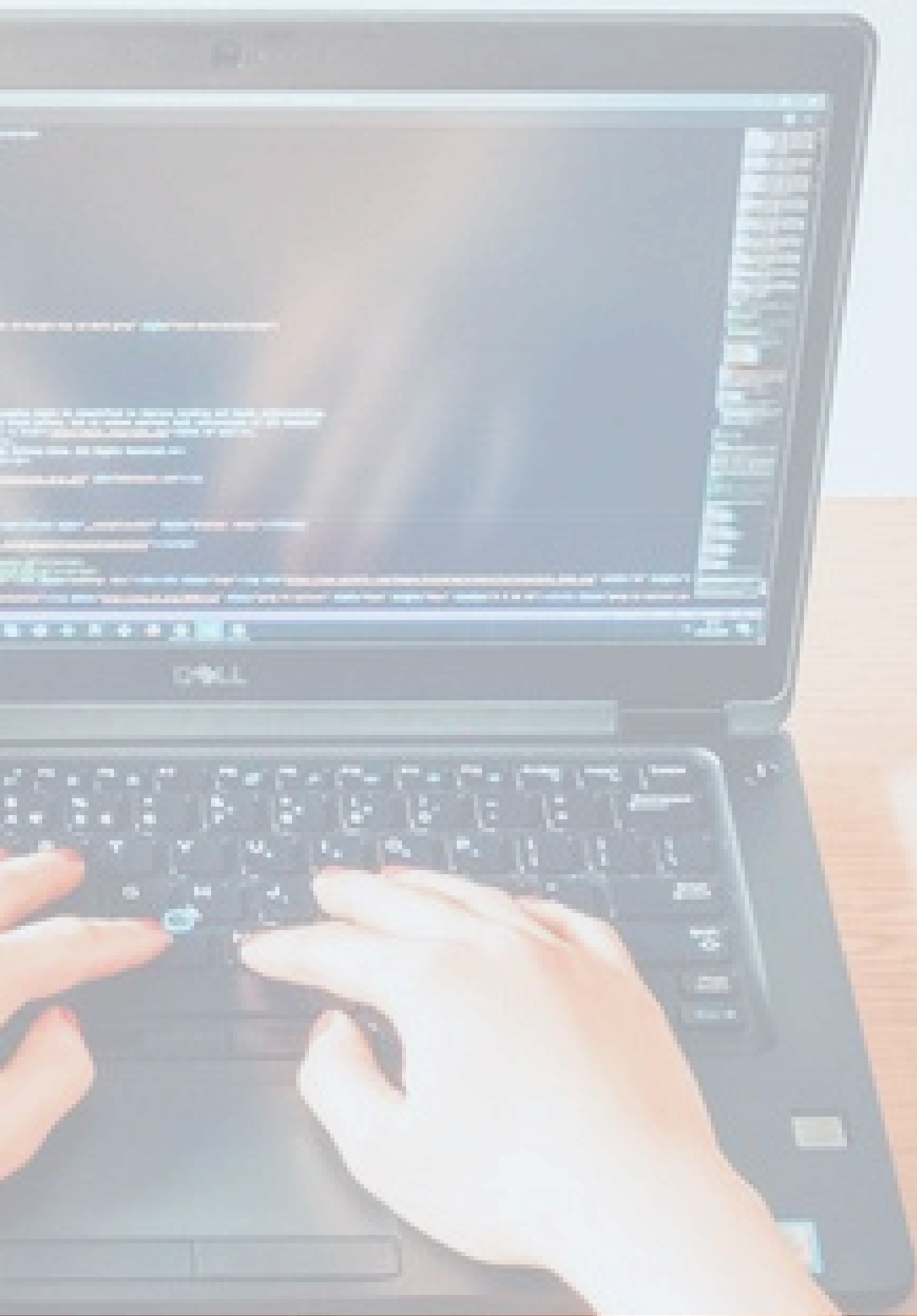
Readdlytech

Kickstart your Tech journey with us

2026



Table of contents



1

Who are we?

2

How to apply?

3

List of projects

The background is a light blue gradient. On the left, there is a large, dark purple, irregular shape containing several white, multi-pointed starburst graphics. On the right, there is a smaller, dark purple, irregular shape containing a white starburst and a small, stylized rainbow-colored symbol that resembles a lowercase 'p' or a similar character.

Who are we?



ReaddlyTech is a Tunisian digital innovation startup based at the Mahdia Startup Incubator.

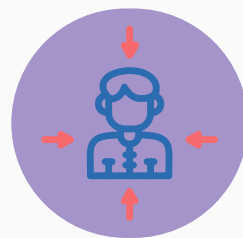
We design and build web & mobile applications, AI-powered solutions, and educational technologies with a strong focus on real-world impact.

We are the team behind Readdly, the first AI-powered reading assistant for dyslexic children.

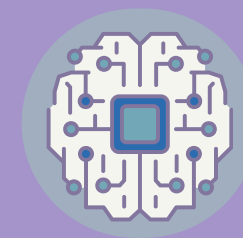
Our work combines:



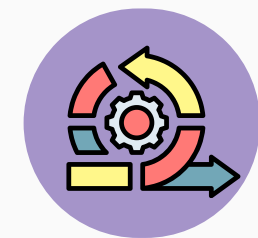
**High-quality
engineering**



Human-centered design



AI & Machine Learning



Agile methods

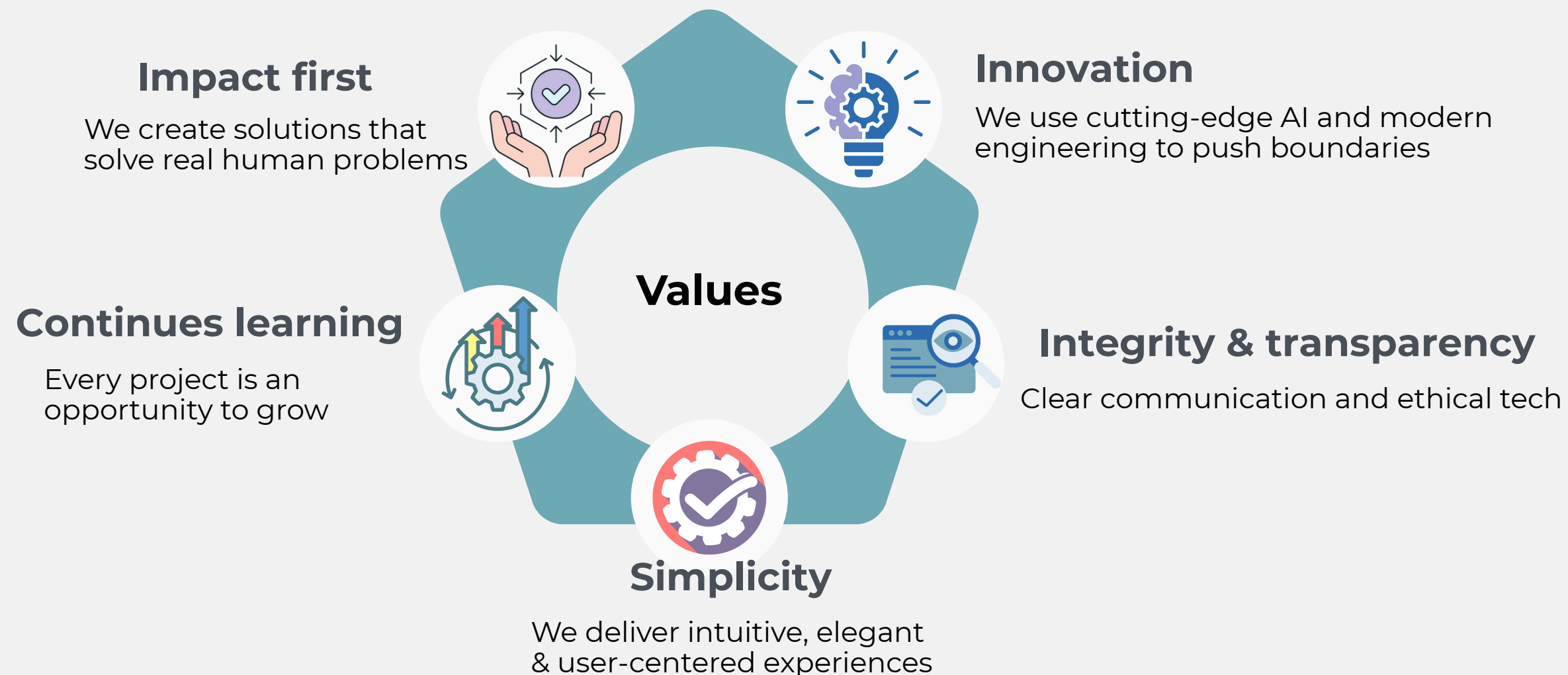
We collaborate with startups, NGOs, EdTech platforms and companies looking to innovate efficiently.

Mission, vision & values

Our mission is to build intelligent digital tools that improve learning, accessibility, and business efficiency.

Vision:

Become a leading EdTech & AI innovation hub in the MENA and North American regions, creating technology that transforms how people learn and work.

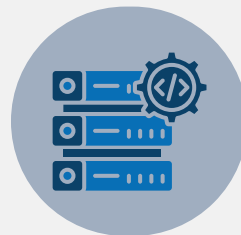


Our Tech Stack



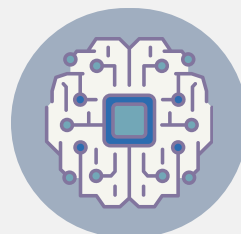
Frontend & Mobile

React, Next.js, React Native, Flutter, TailwindCSS



Backend & Infra

Node.js, NestJS, Express, MongoDB, PostgreSQL, Firebase, AWS, GCP



AI & Machine Learning

- Python, TensorFlow, PyTorch
- NLP, Computer Vision
- Transformers, Whisper, SpeechBrain
- RAG, LangChain
- TTS, OCR, Text-to-Video



DevOps & Tools

- Docker, Kubernetes
- GitHub, CI/CD
- Stripe API, Cloud Functions

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How to apply?

Steps to follow





List of projects

PROPOSED TOPICS



1

Modular CRM blueprint 12

2

AI-powered sentiment & conversational companion for learners 13

3

Text-to-visual learning assistant for children with reading difficulties 14

4

Readdy web intelligence Dashboard for learning progress & content management 15

5

Interactive story-based riddle game for young readers 16

6

E-commerce website builder with smart AI assistant 17

7

Voice-to-animated-story generator for educational content 18

8

Smart production counter & OEE analytics 19

9

Intelligent vulnerability scanner & risk dashboard 20



PROPOSED TOPICS



10

Custom e-learning platform for private schools 21

11

Smart retail insights platform: Real-Time analytics for small businesses 22

12

AI-powered applicant tracking & smart recruitment platform (ATS) 23

13

Intelligent legal document assistant 24

14

Secure exam mode for mobile learning applications 25



1 Trainee



6 months



Technologies & tools

- **Frontend:** React / Next.js, TypeScript, Zustand/Redux
- **Backend:** NestJS Microservices, PostgreSQL, Prisma ORM
- **Auth:** Keycloak / Auth0 / Azure AD (OAuth2 + OIDC)
- **Storage:** MinIO / AWS S3
- **Messaging:** RabbitMQ / Kafka / Redis Streams
- **DevOps:** Docker, GitHub Actions, API Gateway, OpenAPI



Required profile
Software Engineer

REF: Readdy-2026-01

Modular CRM blueprint (Microservices SaaS Platform)

A highly extensible CRM built as a set of microservices, supporting client management, offers & projects tracking, activity logging, and document linking.

The system exposes a unified API Gateway, integrates external product catalogs, and converts incoming emails into actionable sales leads.

This platform serves as a reusable digital foundation for B2B service companies and can evolve into an industry-ready SaaS offering.

Scope:

- Accounts & contacts
- Offers & offer Lines
- Projects
- Tasks & activities
- Auth + Roles + API Gateway





1 to 2 Trainees



4 months



Technologies & tools

- Python
- HuggingFace Transformers
- FastAPI
- LangChain
- MongoDB / PostgreSQL
- React / Next.js
- Docker
- Git/GitHub



Required profile
Software Engineer

REF: Readdy-2026-02

AI-powered sentiment & conversational companion for learners

Development of a mobile application that analyzes the emotional state of learners based on written feedback and provides real-time conversational assistance adapted to their needs.

The system combines sentiment analysis with an intelligent educational chatbot to improve motivation, reduce frustration, and personalize learning support.

This project explores the power of modern NLP and LLMs to create more human-centered digital learning experiences.

Scope:

- Emotion and sentiment detection in learner feedback
- Adaptive conversational assistant (LLM-based chatbot)
- Recommendation of coping strategies & learning tips
- Progress dashboard for emotional engagement and well-being





1 to 2 Trainees



4 months



Technologies & tools

- **Python (CLIP/BLIP**
- **HuggingFace)**
- **FastAPI / Nest.js**
- **React Native / Next.js**
- **MongoDB**
- **Docker**
- **Git/GitHub**



Required profile
Software Engineer

REF: Readdy-2026-03

Text-to-visual learning assistant for children with reading difficulties

Development of an AI-powered visual learning application that converts complex or abstract words into meaningful images to help children with dyslexia or language learning challenges better understand and memorize vocabulary.

The system intelligently detects difficult words and generates or retrieves visual representations adapted to each learner.

Scope:

- Automatic detection of complex vocabulary (NLP)
- AI-based image association (CLIP / BLIP / image retrieval API)
- Visual learning interface: word cards, image previews, pronunciation
- Custom dictionary for teachers, parents & speech therapists
- Offline mode option for classroom use





1 Trainee



4 months



Technologies & tools

- **Frontend:** Next.js, TailwindCSS, Recharts / Chart.js
- **Backend:** Node.js (Express or NestJS), MongoDB, Firebase Auth
- **Deployment:** Vercel / Render / Railway
- **Versioning:** Git/GitHub



Required profile

Software Engineer / Fullstack developer

REF: Readdy-2026-04

Readdy web intelligence Dashboard for learning progress & content management

Design and development of a full web-based administration platform dedicated to speech therapists, educators and platform managers. The dashboard enables monitoring of children's reading progress, managing educational content and subscriptions, and generating real-time insights and reports.

This project aims to build a scalable and data-driven back-office to support Readdy's EdTech ecosystem.

- Secure authentication & role-based access (therapists, teachers, admins)
- Real-time analytics: reading time, learning sessions
- Internal CMS for educational content: stories, exercises, audio, images
- Subscription and billing management (Stripe integration optional)
- Automatic PDF/Excel reports for parents & therapists
- REST API or GraphQL communication with mobile app



1 Trainee



4 months



Technologies & tools

- **Frontend:** Next.js, React Query, TailwindCSS
- **Backend:** Node.js (Express)
- **Database:** MongoDB / PostgreSQL
- **Auth:** Firebase Auth / Auth.js
- **Multimedia (optional):** Text-to-Speech (TTS)
- **Deployment:** Vercel / Render
- **Version control:** Git / GitHub



Required profile

Software Engineer / Fullstack developer

REF: Readdy-2026-05

Interactive story-based riddle game for young readers

Development of a standalone web application that helps children strengthen reading and reasoning skills through visual and narrative riddles.

Learners interact with playful story-based challenges and receive adaptive hints (text, image, and optional audio) to support engagement and comprehension.

The solution includes a secure content management area for educators to create and manage new riddles.

Scope:

- Story-driven riddle engine (progressive difficulty)
- Visual and written hints to reinforce decoding and memory
- Admin dashboard for content creation and moderation
- Optional API to allow external EdTech platforms to use the riddle system





1 Trainee



4 months



Technologies & tools

- **Frontend:** Next.js, TailwindCSS, React Query
- **Backend:** Node.js (Express / NestJS), MongoDB
- **Payments:** Stripe API
- **Deployment:** Vercel / Render / Railway / Docker
- **Version control:** Git, GitHub



Required profile
Software Engineer

REF: Readdy-2026-06

E-commerce website builder with smart AI assistant (reusable B2B template)

Design and development of a customizable multilingual e-commerce web platform with integrated online ordering, secure payments, and an AI-powered assistant for product recommendations and customer support.

The solution is built as a reusable template that ReaddyTech can offer to bakeries, artisans, training centers, and small businesses needing a fast and modern online sales presence.

Scope:

- Dynamic landing page & product/booking catalog
- Shopping cart, secure checkout & Stripe payments
- Admin dashboard: products, orders, customers, promotions
- Multilingual interface (FR/EN/AR) + SEO optimized
- AI customer assistant (chatbot) for product suggestions, FAQs & order help
- Integration of WhatsApp Business messaging API





2 Trainees



6 months



Technologies & tools

- **AI/ML: Python, PyTorch, SpeechBrain / Demucs, Whisper, TTS, Transformers**
- **Video Generation APIs: RunwayML / Pika Labs / Stable Video Diffusion**
- **Frontend: Next.js**
- **Backend: Node.js**
- **Storage: AWS S3 / GCS**
- **Versioning: Git + GitHub**



Required profile
Software Engineer

REF: Readdy-2026-07

Voice-to-animated-story generator for educational content

Development of an AI system that transforms a narrated story (audio or text) into an animated educational video with a synthetic avatar narrator.

The application targets learning support for children (including dyslexic or auditory learners) and enables teachers to convert lessons into engaging audiovisual content.

Scope:

- Extract clean voice from noisy audio (source separation)
- Speech-to-text: Whisper transcription + punctuation & error correction
- Text-to-video story generation: Automatic animated video generation from the script
- Synthetic Voice / Avatar Narration: TTS + animated avatar
- Web Interface
- Teacher uploads text/audio → receives animated story





1 to 2 Trainees



6 months



Technologies & tools

- **Hardware/Edge:** ESP32 / Arduino / RFID / QR / BLE
- **Communication:** MQTT / WebSockets
- **Backend:** Node.js / NestJS, PostgreSQL/TimescaleDB
- **Dashboard:** Next.js, TailwindCSS, Recharts
- **Deployment:** Docker / MQTT broker / InfluxDB optional



Required profile

IoT/embedded + full stack

REF: Readdy-2026-08

Smart production counter & OEE analytics

IoT-based platform that tracks production output in real time using connected smart cards or sensors, providing automated counting, downtime tracking, and OEE (Overall Equipment Effectiveness) analytics through a web dashboard.

Scope:

- IoT device firmware + production counter
- Realtime monitoring dashboard
- OEE analytics reports (Availability, Performance, Quality)
- Documentation + industrial test scenario





1 to 2 Trainees



4 to 6 months



Technologies & tools

- Python (FastAPI)
- Nmap
- OWASP ZAP API, Shodan API
- MongoDB/PostgreSQL
- React/Next.js
- JWT Auth



Required profile

Cybersecurity engineering student

REF: Readdy-2026-09

Intelligent vulnerability scanner & risk dashboard

A platform that scans networks & web applications, identifies vulnerabilities using Nmap / OWASP ZAP, classifies risks with AI and provides remediation recommendations via a modern security dashboard.

Scope:

- Automated vulnerability scanner
- AI-based risk classifier (trained on CVE dataset)
- Security dashboard + PDF reports
- Documentation + demo attack/mitigation scenario





1 Trainee



6 months



Technologies & tools

- **React Native**
- **Node.js**
- **irebase Auth**
- **PostgreSQL / MongoDB**
- **AWS S3**
- **Firebase Cloud Messaging**
- **Git / GitHub**
- **AWS**



Required profile
Software Engineer

REF: Readdy-2026-10

Custom e-learning platform for private schools

Design and development of a customizable mobile learning platform for private schools and training centers, including interactive lessons, quizzes, and student performance tracking. The platform empowers educators with a dedicated dashboard and analytics to adapt teaching strategies and improve learning outcomes.

Scope:

- Mobile learning app (courses, videos, quizzes, exercises)
- Student progress tracking: scores, time spent, skills mastered
- Teacher dashboard with analytics & class management
- Push notifications for reminders and homework
- Secure media storage for educational videos/documents
- Optional AI tutoring assistant (recommendations + feedback)





1 Trainee



4 months



Technologies & tools

- **Frontend:** Next.js, TailwindCSS, Recharts / ECharts
- **Backend:** NestJS
- **Database:** Supabase (PostgreSQL)
- **AI / Forecasting:** Prophet, scikit-learn
- **Deployment:** Docker, Vercel / Render
- **Versioning:** Git + GitHub



Required profile
Full-Stack Developer

REF: Readdy-2026-11

Smart retail insights platform: Real-Time analytics for small businesses

The project consists of developing a modern web analytics platform that helps small and medium retail businesses analyze their sales, customer behavior, and operational performance in real time.

The system will integrate data from various sources (POS systems, Google Sheets, CSV exports, and manual entries), visualize KPIs through interactive dashboards, and provide AI-assisted insights such as demand trends and product performance alerts.

This project aims to bring enterprise-level Business Intelligence to local retailers who currently lack decision-support tools.

Scope:

- Real-time analytics: revenue, best-selling products, conversion, customer metrics
- Data import: CSV / Excel / Google Sheets / manual entry
- AI insights: trend forecasting & anomaly detection for sales drop/spikes
- Business reports: PDF & Excel exports for managers





1 Trainee



4 months



Technologies & tools

- **Frontend:** Next.js, TailwindCSS
- **Backend:** NestJS
- **Database:** PostgreSQL + Prisma ORM
- **AI/NLP:** Python (spaCy, Hugging Face, Sentence Transformers), LangChain
- **File parsing:** PDFPlumber
- **Deployment:** Railway, Render, AWS, or Docker



Required profile
Software Engineer

REF: Readdy-2026-12

AI-powered applicant tracking & smart recruitment platform (ATS)

Development of an intelligent recruitment and candidate management platform with automated CV parsing, semantic candidate-job matching, and interview tracking.

This project aims to simplify HR processes and improve hiring efficiency for organizations.

Scope:

- Multi-role authentication (HR managers / Recruiters / Candidates)
- Smart CV parsing (skills, experience, certifications extraction)
- Job-candidate semantic matching using embeddings
- Interview scheduling + progress tracking
- Export reports (PDF / Excel) and dashboards recruiting KPIs
- Optional chatbot assistant for candidate screening





1 Trainee



4 months



Technologies & tools

- **AI / NLP:** Python, LangChain, OpenAI / Ollama, spaCy, Sentence transformers
- **OCR:** PDFPlumber, Tesseract OCR
- **Backend:** FastAPI / Django REST
- **Frontend:** Next.js / React
- **Database:** PostgreSQL / MongoDB
- **Deployment:** Docker, Vercel / Render



Required profile
Full-Stack Developer

REF: Readdy-2026-13

Intelligent legal document assistant

Design and implementation of an AI-powered LegalTech application that extracts key information from legal documents (contracts, clauses, agreements) and automates the generation of customizable legal drafts.

The system combines OCR, NLP and LLM reasoning to support lawyers, startups, and SMEs in reviewing, summarizing, and producing compliant legal documents faster and with fewer errors. This project explores how AI can democratize legal services and reduce administrative and legal barriers for organizations.

Scope:

- OCR & parsing of scanned legal PDFs
- Automatic extraction of entities: names, roles, dates, amounts, obligations
- AI-powered contract and summary generation
- Legal conversational assistant (RAG + knowledge base)
- Web interface for lawyers, startups & SMEs





1 Trainee



4 months



Technologies & tools

- **Mobile App: React Native / Expo**
- **Backend / API: Node.js, Fastify or NestJS**
- **Database: MongoDB / PostgreSQL**
- **Auth: Firebase Auth / Auth.js**
- **Local Storage: Secure Storage / IndexedDB / SQLite**
- **Deployment: Render / Railway / Vercel**
- **Version Control: Git + GitHub**



Required profile
Full-Stack Developer

REF: Readdy-2026-14

Secure exam mode for mobile learning applications

Development of a secure assessment mode for an educational mobile app, allowing students to take exams without distractions and without leaving the application environment.

The system restricts navigation, disables non-authorized features, and securely stores results even when offline.

This solution aims to improve academic integrity while preserving user privacy and ensuring a smooth learning experience.

Scope:

- App-level restricted navigation (no module switching during exam)
- Local encrypted data storage + offline submission
- Teacher/administrator dashboard to schedule, launch, and monitor exams
- Adaptive exam session recovery after connectivity loss

Thank you for your interest in joining ReaddlyTech

We believe that technology becomes meaningful when it creates a real impact

Whether you're passionate about AI, scalable architectures, product design, cybersecurity, or educational innovation, there is a space for you here 🚀



Ready to build technology that matters?



Apply now contact@readdlytech.com



Location Hybrid, Mahdia Business Incubator



Website www.readdlytech.com