# Catalog of PFE Topics 2026
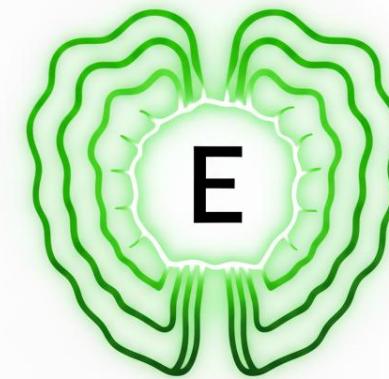
ELIXIA

YOUR SMART HEALTHCARE PARTNER

1. About ELIXIA

**ELIXIA Your
Smart Healthcare Partner.**

ELIXIA's mission is to enable healthcare stakeholders to fully benefit from the power of artificial intelligence through a strong vision, continuous innovation, and uncompromising quality.

2. Who we are

ELIXIA is a pioneering healthcare AI startup focused on bridging the gap between cutting-edge technology and practical medical application.

AI-Driven
Advanced algorithms powering decisions.
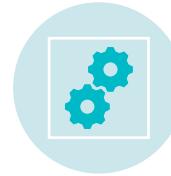
Scalable
Solutions that grow with your practice.

Secure
Enterprise-grade data protection.

Impactful
Innovation that matters.

3. Our Ecosystem

A comprehensive suite of tools designed to modernize every aspect of the healthcare journey.

GOPRO

Advanced CRM+ tailored specifically for the pharmaceutical industry
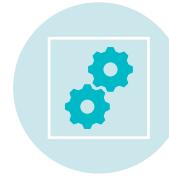
VEROX

The smart box connecting pharmacies to the digital ecosystem.

AIVIA

Intelligent support assistant empowering doctors with data.

BIOCELL VISION

Next-generation analytics for laboratory precision.

4. How to apply?

The steps to follow to join our team as an intern:

Step 1

Choose a project, scan the QR code, and fill out the form.

Step 2

Selected candidates will be contacted for an individual meeting.

Step 3

Each candidate will receive a response detailing the next steps.

Step 4

For selected candidates, a great adventure begins.

Project 1 : GOPRO

Overview

A unified project combining **DevOps automation** and a **React Native UI library** to improve application delivery and standardize user experience.

DevOps

•CI/CD pipeline automation

•Secure and standardized environments

•Faster, reliable deployments

UI/UX (React Native)

•Reusable UI component library

•Consistent design system

•Optimized performance

Key Benefits

•Reduced human errors

•Faster time-to-market

•Improved visual quality and team productivity

Project 2 : BIOCELL VISION

Overview

An advanced laboratory analytics platform leveraging **artificial intelligence** to enhance medical analysis from microscope images, improve reporting accuracy, and accelerate laboratory workflows.

Development (DEV)

Modern and intuitive user interface

Seamless integration with laboratory systems

Secure and scalable application architecture

Artificial Intelligence (AI)

AI/ML models for medical microscope image analysis

Consistent design system to interact with AI models and generate interpretable outputs

Optimized performance and reliability through **MLOps** pipelines (training, deployment, monitoring)

Key Benefits

Reduced human errors in medical analysis

Faster laboratory reports and diagnostics

Improved analysis quality and team productivity

Project 3 : ELIXIA – Learning & Digital Services Platform

Overview
A unified platform combining **online learning** and **digital services**, designed to empower users through knowledge, product discovery, and centralized access to solutions.

Learning Module
E-learning platform similar to Udemy
Structured courses and learning paths
Progress tracking and performance monitoring

Services Module
Service showcases and interactive demonstrations
Free trial access
Centralized entry point to all ELIXIA digital solutions

Key Benefits
Increased visibility and adoption of services
Enhanced user autonomy and engagement
Unified and seamless user experience

Project 4 : AVIA-DOC & AVIA-CARE

Overview
AVIA is a platform that connects patients and healthcare providers with AI-powered decision support.

Development (DEV)
Modern, responsive interfaces
Smooth navigation and user flows
Cross-platform compatibility (iOS & Android)

UI/UX Design
Consistent and visually appealing design system
Reusable components for faster development
Optimized user experience and performance

Key Benefits
Enhanced user engagement and satisfaction
Faster development and deployment cycles
High-quality, scalable mobile application

Project 5: Classification of baby cris by Machine Learning

OVERVIEW

Babies mainly communicate through crying. Each type of cry can express a specific need such as hunger, pain, tiredness, or discomfort. For many parents, especially new ones, it is difficult to correctly understand these signals.

ARTIFICIAL INTELLIGENCE (AI)The AI part of this project focuses on applying machine learning and deep learning algorithms

Data Collection, Preprocessing, Feature Extraction, Model Training,Evaluation, Interface Development
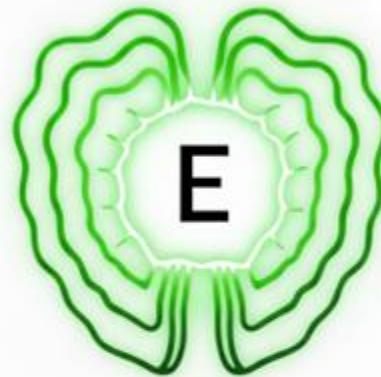
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Email : elixia.adm@gmail.com

Local : Growthzone (Route Taniour Km 1 - Sfax, Tunisie)