Eya Ahmadi

Software Engineering

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💻 Open to remote work 📇 Driving licence 📞 92 059 248

PROFESSIONAL SUMMARY

Highly skilled software developer specializing in AI-Powered Solutions & Agentic Systems. Proven ability to design, develop, and deploy full-stack web, mobile, and desktop applications, leveraging expertise in systems architecture & UML design. Proficient in all stages of the data pipeline, including data cleaning & pre-processing for optimal AI model performance. Seeking challenging opportunities to build innovative and impactful intelligent systems.

ACADEMIC BACKGROUND

Bachelor's Degree in Computer Science: Software Engineering and Information Systems,

Higher Institute of Informatics and Mathematics

09/2022 - 06/2025
Monastir - Tunisia

Baccalaureate in Experimental Sciences, Avicenne Private School

09/2021 - 06/2022
Gafsa - Tunisia

PROFESSIONAL EXPERIENCE

Final Year Project: Intelligent Solution for Agriculture and Plants Health,

Higher Institute of Informatics and Mathematics

02/2025 - 06/2025
Monastir - Tunisia

Development of a multilingual mobile application (FR/EN/AR) named Verda, integrating an intelligent agent-based system. Verda leverages a custom-built deep learning model (MobileNetV2), trained from scratch, to identify plants from images and assess their health status. It then uses generative AI to provide personalized care recommendations based on local weather data and the condition of the identified plant. The system architecture is built on FastAPI for the backend and Firebase for authentication, community features, and real-time messaging.

Summer Internship, Manager Partner Software (MpSoft)

08/2024 - 09/2024
Tunis - Tunisia

Development of an AI-powered system for automated log analysis and anomaly detection in preventive maintenance systems. This solution parses system logs using pattern matching and leverages machine learning models built with Python libraries to identify errors and exceptions. The system generates detailed diagnostic reports to improve operational reliability and enable proactive maintenance decisions.

Summer Internship , The Phosphate Company of Gafsa (CPG)

06/2024 - 07/2024
Gafsa - Tunisia

Development of a desktop application for HR data management. This solution supports managing human resources data and computing gap analysis statistics to aid strategic workforce planning.

Federated Project (Agile Methodology) ,

Higher Institute of Informatics and Mathematics

02/2023 - 04/2023
Monastir - Tunisia

Development of a web-based platform for the management of university student clubs, enabling streamlined organization, member coordination, and activity tracking within an Agile project framework.

VOLUNTARY EXPERIENCE

Community Manager, Binary Beats Club – ISIMM   2023 - 2024
                                                                    Monastir - Tunisia

- Managed and animated an online community: content creation, moderation, and social media management.
- Organized virtual events to boost member engagement and interaction.

Media Program Supervisor, Elite Council – Remote   2023 - 2024
                                                                    Tunisia

- Planned media content and communication strategies.
- Oversaw publishing and distribution across multiple digital channels.

TECHNICAL SKILLS

- **Styling Languages :** HTML · CSS · XML
- **Development Tools & Platforms :** Git · Docker · FastAPI · Anaconda · RESTful APIs
- **Mobile Dvelopment :** Flutter · Android Studio
- **Programming Languages:** Python · Java · JavaScript · C · Flex · Dart
- **AI & Machine Learning:** PyTorch · TensorFlow · Keras · Scikit-learn · OpenCV
- **System Design:** UML · MVC · 3-Tier Architecture
- **Databases:** MySQL · Oracle · Firebase · PostgreSQL
- **Operating Systems:** Windows · Ubuntu · Kali Linux
- **UI/UX & Design:** Figma · Photoshop · Illustrator · Canva

PERSONAL SKILLS

- Skilled in visual presentation tools such as Canva and PowerPoint.
- Experienced in the structured design of complex information systems, to define system architecture.
- Autonomous with a strong sense of initiative.
- Proficient in writing and designing technical and academic reports using LaTeX.
- Strong analytical and problem-solving skills (debugging, optimization).
- Highly adaptable to new environments and challenges.

LANGUAGES

- **Arabic :** Native
- **English :** Professional Proficiency
- **French :** Professional Proficiency

SOCIAL NETWORKS

@EyaAhmadi   @Eya Ahmadi   @Eya Ahmadi