ABBACI Zoulikha

AI & Software Engineer

CONTACT

Phone: +213 793 921 328

Email: kz_abbaci@esi.dz

LinkedIn: Zoulikha Abbaci

GitHub: ABBACIZOULIKHA

TECHNICAL SKILLS

- **Front-End:** React.js, Tailwind HTML, CSS, JavaScript, Kotlin.
- **Back-End:** Flask, Django, Node.js.
- **Databases:** MySQL, PostgreSQL, Oracle, MongoDB, Firebase, supabase.
- **API & Tools**: REST API, Postman, Insomnia
- **Version Control & DevOps:** Git, GitHub, docker, Cloud Computing

CERTIFICATES

- Deep Learning Onramp *(MathWorks)*.
- Machine Learning with Python *(Coursera)*
- Databases and SQL for Data Science with Python *(Coursera)*
- Process data from dirty to clean *(Coursera)*.
- Convolutional Neural Networks with TensorFlow in Python *(365 Data Science)*
- NLP for AI *(365 Data Science)*
- Intro to ChatGPT and Generative AI *(365 Data Science)*
- Intro to Data Engineering *(365 Data Science)*
- Data Visualization with Python, R, and Excel *(365 Data Science)*

LANGUAGES

- Arabic (Native)
- Anglais (Fluent)
- French (Fluent)

ABOUT ME

Software Engineer with a strong interest in AI and machine learning, experienced in backend and full-stack development. Focused on designing reliable systems, continuous learning, and applying research-oriented approaches to problem-solving.

EDUCATION

Master's Degree in Computer Science   *2023 – 2025*
École Supérieure en Informatique (ESI) - Algiers

Bachelor's Degree in Computer Science   *2020 – 2023*
École Supérieure en Informatique (ESI) - Algiers

Baccalauréat in Mathematics – *Algeria*   *2019 - 2020*

EXPERIENCE

Wheat Gard Platform: AI System for Wheat Disease & Pest Management
Research Engineer | ESI

- Developed a deep learning–based system for detecting and classifying wheat diseases from leaf images to support precision agriculture. Designed and optimized backend services with Flask for model inference and API integration, and connected the system with a React.js frontend to deliver real-time results.

EasyLaw : intelligent legal monitoring platform
Full Stack Developer | ESI

- *Developed a full-stack platform using React.js, Flask, and PostgreSQL for legal document monitoring. Implemented web scraping, user authentication, and role-based access, ensuring secure data processing. Built RESTful APIs and unit tests with pytest to validate system reliability.*

Mobile App for Booking a Parking Space
Mobile Developer | ESI

- *Developed a Kotlin mobile app for real-time parking reservations, with a Node.js backend for handling bookings and availability. Integrated geolocation APIs for dynamic spot display.*

Real Estate Listings Web Application
Full Stack Developer | ESI

- *Built a responsive UI with React and Bootstrap. Developed the backend using Django, managing the database, user authentication, and real estate listing logic.*

Switch Monitoring and Inventory Project
Full Stack Developer | ESI Network Service

- *Built a real-time monitoring and inventory management system using JEE (backend) and HTML, CSS, JavaScript (frontend), with a dashboard for data visualization and alerts.*