



WAIL BENHARRATS

Final-year Computer Engineering student specializing in MIAGE and artificial intelligence the Moroccan School of Engineering Sciences.

CONTACT



0661990707



benharatswail@gmail.com



Rabat, Morocco



Wail Benharrats

Certifications

- Oracle Database Administration I (2024)
- Angular – The Complete Guide (2024 Edition)
- Python for Data Science and ML
- TensorFlow Developer Certificate
- Machine Learning A-Z: Hands-On Python & R In Data Science
- The Complete Oracle SQL Certification Course
- Spring Boot Microservices with Spring Cloud & Docker

Academic Projects

Final Year Project – 4th Year

Web Archiving Application | Spring Boot, Java, REST API | Angular

- Developed a web app for document archiving using Spring Boot and Angular.
- Implemented core features: upload, indexing, and retrieval via REST APIs.

Final Year Project – 3rd Year

School Management Web Application | Django, Python, PostgreSQL | React

- Built a web-based school management system using Django and React.
- Developed features for student records, class schedules, and user roles.

Formation Academique

- October 2024

Master's Degree in MIAGE , 2nd Year - Artificial Intelligence Specialization

University of Côte d'Azur, France

- 2020-2025

Engineering Degree in Computer Science and Networks

Moroccan School of Engineering Sciences (EMSI), Morocco

- 2019-2020

High School Diploma in Physical Sciences (Scientific Baccalaureate)

Tour Hassan Scientific High School, Morocco

Professional Experience

Full-Stack Developer – Intern | End-of-Studies Internship

Berger-Levrault • Feb 2025 – Aug 2025

Project: WePort Perrrrsonal Assistant – Web platform for managing municipal tasks and internal collaboration

- Contributed to the development and enhancement of WePortail, a large-scale internal web platform for task management, notifications, and document sharing across municipalities.
- Developed and maintained components using Angular (frontend) and Spring Boot (backend), with Keycloak integration for secure authentication (SSO).
- Implemented features such as task creation from news, context-aware filters, file management, notification scheduling, and profile-based access control.
- tsked with the development of an AI-powered chatbot assistant, designed to guide users and improve task navigation within the platform.
- Participated in the refactoring of legacy modules to improve scalability and maintainability.
- Collaborated within an Agile team (daily stand-ups, sprint planning) using Git, Jira, and CI/CD pipelines.
- Focused on code quality, unit testing (JUnit, Mockito), and responsive design using Tailwind CSS and Angular Material.

AI Master Final Project

Designed and implemented an AI-driven platform to enhance Human Resources processes through intelligent automation.

- Developed key AI use cases:
 - Smart CV Matching: Used NLP and classification models to match candidate profiles with job offers based on skills and experience.
 - Dynamic Skills Mapping: Applied AI to analyze employee data and identify team strengths and gaps.
 - Personalized Training Recommendations: Predicted skill needs and recommended training plans for individual employees.
- Implemented advanced automation features (Premium version):
 - Test & Interview Generation via API based on predicted job roles.
 - Automated Evaluation of candidate responses with scoring via external APIs.
 - Admission Filtering based on available positions (internships/jobs).
 - Strengths & Weaknesses Analysis through semantic processing of candidate answers.

Languages

- Arabic – Native speaker
- French – Fluent (CEFR Level C2)
- English – Fluent (CEFR Level C2)

Full-Stack Developer – Intern | End-of-Year Internship Dirham Express · Jun 2024 - Aug 2024

Project : Employee & Inventory Management Web Application with AI Integration

Django, Angular, YOLOv8, Face Recognition

- Designed and developed a full-stack web application to manage employee data, attendance, and inventory operations.
- Built a robust back-end with Django, implementing REST APIs, authentication workflows.
- Developed a responsive Angular interface for HR and warehouse staff to handle day-to-day tasks.
- Integrated facial recognition for automated employee check-ins and attendance tracking, improving security and reducing manual input.
- Utilized YOLOv8 for real-time object detection to track stock quantity, enabling automatic inventory updates based on visual input.
- Ensured seamless communication between AI modules and the core system through modular RESTful interfaces.

Full-Stack Developer – Intern | End-of-Year Internship Econocom · Jun 2023 - Aug 2023

- Leave Management Web Application
- React, FastAPI, PostgreSQL
- Designed and developed a full-stack web application for managing employee leave requests and approvals.
- Built a RESTful API with FastAPI to handle authentication, leave requests, status tracking, and role-based permissions.
- Created a responsive front-end with React, allowing employees to submit leave requests and view their remaining balance, while managers could approve/reject requests and access detailed reports.

Technical Skills

Programming Languages :C, C++, Java, Python, C#

Web & Application Frameworks :Spring Boot, Django, FastAPI, .NET, Java EE

Databases & Query Languages :MySQL, SQL Server, Oracle (PL/SQL), T-SQL

Data Science & Machine Learning

- Data Mining: Clustering, Classification, Association Rules
- Deep Learning: Neural Networks, CNN (Convolutional Neural Networks)
- Libraries: Scikit-learn, TensorFlow, Keras, NumPy, Pandas, Matplotlib

Big Data & Cloud :Microsoft Azure, Hadoop (MapReduce), Hive, Pig

ETL & Data Integration :Talend Open Studio

Mobile Development : Android Studio , Flutter

Design & Modeling : UML (Use Case, Class, Sequence), Merise