

Hammed Amen Allah

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Education

University of Monastir , BS in Computer Science	Sept 2023 – June 2026
• Relevant Coursework: OOP, Data Structures, Algorithms, Software Engineering, Web Development, SOA Architecture	
Slimen Ben Slimen High School , Baccalaureate in Computer Science with Honors	Sept 2019 – June 2023

Projects

Resonance - Job Matching Platform (work in progress)	GitHub
• Designed microservices platform with 6 independent services and API Gateway connecting freelancers with companies	
• Built polyglot services: Auth (Spring Boot), Jobs (Node.js), Contract (Java SOAP), Billing (.NET SOAP), AI Matching (Python/FastAPI)	
• Implemented JWT authentication, RESTful and SOAP APIs, Angular frontend, and Docker containerization	
• Tech: Spring Boot, Node.js, .NET Core, Python/FastAPI, Angular, PostgreSQL, Docker	
Arabic Handwritten Digit Recognition System	GitHub
• Developed multi-model ML system with 6 algorithms: KNN, SVM, Decision Tree, Random Forest, Logistic Regression, Neural Network	
• Built interactive web app using Gradio with upload, webcam, and drawing canvas for real-time predictions	
• Implemented preprocessing pipeline with adaptive color inversion, normalization, and 28×28 grayscale conversion	
• Created comparative framework displaying simultaneous predictions from all models	
• Tech: Python, PyTorch, Scikit-learn, OpenCV, Gradio	
Kahdemni - ATS-Friendly CV Creator	GitHub
• Developed web application for creating ATS-friendly CVs with grading functionality	
• Collaborated on UI/UX design with Figma and implemented backend with Supabase	
• Tech: Angular, Supabase, TypeScript, Figma	

Technical Skills

Languages: Java, JavaScript, TypeScript, Python, C#, C++, C, SQL
Backend: Spring Boot, Node.js/Express, .NET Core, FastAPI
Frontend: Angular, HTML5, CSS3, Bootstrap, TypeScript
ML/AI: ML Fundamentals(supervised/unsupervised ..), Skit-Learn, Pandas, Learning Algorithemes(knn, svm ..)
Tools: Docker, Git/GitHub, PostgreSQL, REST, SOAP

Soft Skills

Languages: Arabic (Native), English (Advanced), French (Intermediate)
Methodologies: Scrum, Agile
Tools & Collaboration: Notion, Slack ,Trello