

Hammami Med Zahreddin

zahr.hammami@gmail.com | github.com/zahr888 | linkedin.com/in/zaherhammami | +216 28-412-734

PROFILE

- Motivated Computer Science student with a software engineering background, actively focusing on MLOps and DevOps. Developing practical skills in ML model deployment and system automation. Seeking an internship to apply technical knowledge to real-world challenges in building and maintaining scalable, automated systems.

EXPERIENCE

Software Development Intern — BH-Dashboard <i>BH Bank</i>	July 2025 – August 2025 <i>Remote</i>
<ul style="list-style-type: none">Built a centralized dashboard MVP using Next.js, TypeScript, Docker, and Supabase to unify apps, projects, and deployments, improving visibility and decision-making.Created a searchable catalogue linking applications, owners, and runbooks, and added modules for project tracking, approvals, and automated EOL/contract alerts to reduce incident time and service risks.Collaborated with IT and product teams to validate requirements, demo features, and refine the MVP for production readiness.	

PROJECTS

End-to-End MLOps Pipeline for EV Demand Forecasting	2025
<ul style="list-style-type: none">Designed a modular ML pipeline for hourly energy forecasting, automating ingestion, feature engineering (lags, rolling stats), and training of multiple models with automatic production promotion via a file-based registry.Deployed a Dockerized FastAPI inference service with Prometheus/Grafana observability, achieving real-time visibility into request latency and model prediction rates.Implemented a serverless batch inference system using S3 events and Lambda-style handlers, and established a CI/CD workflow with GitHub Actions to ensure code quality and seamless integration.	
Event-Driven Kubernetes Autoscaler	2025
<ul style="list-style-type: none">Developed a Python-based controller to scale Kubernetes pods based on SQS queue message counts, providing an alternative to KEDA for a local development setup.Built a microservices application with Producer and Consumer services to test autoscaling logic under simulated traffic spikes, using Docker, Kind, and LocalStack for the environment.Set up a CI/CD workflow with GitHub Actions for linting, building Docker images, and seamless deployment to local clusters.	
Ekrily — Founder & Developer	2025 – Present
<ul style="list-style-type: none">Built a real-estate platform with Next.js and Supabase linking students and property owners for long-term rentalsImplemented secure authentication, property listings, 360 virtual tours, intelligent co-living and AI recommendations; used Tailwind CSS and Cloudinary for a responsive UI and efficient media handling.	

SKILLS

MLOps & Infrastructure: Docker, Linux, GitHub Actions, LocalStack, AWS (S3, Lambda), Prometheus, Grafana, NGINX, Kubernetes, Terraform
Machine Learning: Python, Scikit-learn, XGBoost, LightGBM, Pandas, NumPy, Matplotlib, Seaborn
Backend & Data Stores: FastAPI, PostgreSQL, Supabase, SQL
Tools: Git/GitHub, Visual Studio Code, Figma

EDUCATION

Bachelor's Degree in Computer Science <i>Higher Institute of Computer Science</i>	2023 – Present <i>Ariana</i>
---	---------------------------------

LANGUAGES & CERTIFICATIONS

Languages: Arabic (native), English (fluent), French (professional proficiency)
Certifications: CCNA 1 – Introduction to Networks (2025) [View Certificate]