

AHMED BENSALAH

☎ +216 40 541 086 | ✉ bensalahahmed8603@gmail.com | 🔗 linkedin | 🐙 github | 📍 Sfax, Tunisia

Objective

Engineering student specializing in Data Engineering and DevOps. Experienced in building high-governance AI infrastructure and DevSecOps pipelines using Kubernetes and IaC. Passionate about virtualization, networking, and solving complex computational challenges for social impact.

Technical Skills

Cloud & DevOps: Kubernetes, Docker, Terraform, Ansible, Jenkins, ArgoCD, Helm, AWS, Azure
Programming: Python, C/C++, Java, Go, Bash, SQL, Django, Angular, Flutter
Monitoring & Security: Prometheus, Grafana, Trivy, SonarQube, Longhorn (Storage), Kyverno
Concepts: IaC, CI/CD, MLOps, HPC Governance, Agile/Scrum, Digital Twins

Professional Experience

SIFAST Jul 2025 – Aug 2025
DevSecOps Intern Sfax, Tunisia
– Built a DevSecOps pipeline for K8s using Jenkins, ArgoCD, and SonarQube for automated security scanning.

WEDETECT Jun 2025
IoT Intern Sfax, Tunisia
– Developed smart leak detection systems using real-time sensor data monitoring and embedded platforms.

Djagora Fablab Jul 2024
Full-Stack Intern Sfax, Tunisia
– Engineered a recommendation engine using Cosine Similarity with an Angular/Django architecture.

Key Projects

Mission Control: SaaS AI Orchestrator | *K8s, FastAPI, Longhorn* 2025
– Built an HPC governance layer for K8s with "Hot-Enforcement" policy sync and REST API storage scaling.

Kubernetes CI/CD Pipeline | *Jenkins, Docker, Traefik, Kyverno* 2025
– Automated end-to-end deployment with Traefik Ingress and Kyverno admission control for cluster security.

Aqura: Sustainable AI-IoT Digital Twin | *Predictive AI, MQTT* 2025
– Designed a climate-resilient aquaponics system featuring predictive analytics and a Tunisian dialect interface.

Automated Big Data Cluster (IaC) | *Vagrant, Ansible, Hadoop* 2024
– Provisioned a 3-node Hadoop 3.3.6 cluster using IaC principles for rapid, reproducible deployment.

SignBridge | *TTS, STT, BiLSTM, Mediapipe* 2024
– SignBridge is an AI-driven platform enabling two-way translation between Tunisian Dialect and Tunisian Sign Language.

Education

Mahmoud Muegdiche High School 2021-2022
Baccalaureate in Mathematics with Honors (Good) Sfax, Tunisia

Faculty of Sciences of Sfax 2022 – present
Preparatory Cycle + Data Engineering Cycle Sfax, Tunisia

Leadership & Achievements

Chairman, IEEE Computational Intelligence Society (CIS) FSS 2025 – 2026
HR Manager, Google Developer Student Club (GDSC) FSS 2023 – 2024
1st Place, IEEE WIEACT 4.0 Technical Challenge & IEEE IAS I2I 1.0 2025
1st Place, IEEE IAS I2I 1.0 2025
Participant, IEEEExtreme 17.0 & 18.0 Competitive Programming 2023 – 2024

Certifications

Certified Kubernetes Admin (CKA) | *kodekloud* **K8s & Cloud-Native Associate** | *kodekloud*
Fundamentals of Deep Learning | *NVIDIA* **Cambridge First Certificate (FCE)** | *Cambridge*

Languages & Hobbies

Languages: Arabic (Native), English (C1), French (B2)
Hobbies: Chess, Camping, Football, Padel