

# Ayari Oussama – Computer Engineering Student

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## Profile

Computer engineering student passionate about **Cloud Computing**, **DevOps**, and **system reliability**. Strong skills in **Kubernetes**, **Docker**, **CI/CD**, and **Infrastructure as Code**. Experienced in teamwork using **Scrum** and applying **DevOps best practices** to automate and optimize infrastructure. Seeking a final-year internship to contribute to the build and migration of high-performance cloud environments.

## Technical Skills

**Cloud & Infrastructure:** AWS, Kubernetes, Docker, Terraform, OpenStack, Ansible, Oracle Cloud

**CI/CD:** GitHub Actions, Jenkins, Git, Bash Scripting, GitOps

**Monitoring & Alerting:** Grafana, Prometheus

**Methodologies:** DevOps, Scrum

**Development & Languages:** Python, Java, Spring Boot, Angular, PHP, SQL, Bash, FastAPI, Symfony, .NET

**Databases:** PostgreSQL, MySQL, Oracle, MongoDB

## Professional Experience

**Web Developer Intern** – Direct Emploi, France

June 2025 – August 2025

- Implemented an automated crawling system processing 10,000+ job offers daily
- Optimized data processing and storage, reducing indexing time by 40%
- Improved SEO and keyword analysis with SEMrush

**Freelance Web Developer** – Pro-Medium.com, Tunis

June 2024 – July 2024

- Developed a Symfony website managing 400+ active users
- Server deployment via cPanel, achieving a 30% reduction in load time

**Web Developer Intern** – Scheidt Bachmann, Tunis

Jan. 2023 – May 2023

- Developed a microservices application using Angular and Spring Boot
- Containerized services using Docker and orchestrated deployment with Kubernetes
- Automated CI/CD with Jenkins, reducing deployment from 60 min to 16 min
- Applied DevOps best practices

## Technical Projects

**NLP Chatbot for Infrastructure as Code**

Sept. 2024 – Feb. 2025

- Developed an NLP chatbot using Ollama and LLM to automate Kubernetes cluster creation
- Reduced infrastructure provisioning time from 2h to 10 min
- Deployed 12+ containerized applications on the cluster with integrated monitoring

**Web Casting Platform on Private Cloud**

Sept. 2024 – Jan. 2025

- Deployed a private OpenStack cloud with provisioning of 7+ VMs
- CI/CD pipeline with Jenkins and a GitOps approach automating deployment cycles
- Monitoring with Grafana/Prometheus covering 15+ metrics
- Automated deployments using Ansible, reducing provisioning time by 45%
- Participation in Scrum ceremonies

## Education

**Engineering Cycle in Computer Science** – CY Tech, France

2025 – 2026

**Engineering Cycle in Computer Science** – ESPRIT, Tunisia

2023 – 2025

**Bachelor's Degree in Computer Science** – ISET Cherguia, Tunis

2020 – 2023

## Certifications

**Cisco Network Security**

Nov. 2025

**AWS Academy Graduate – Cloud Operations**

Oct. 2025

**Oracle Cloud Infrastructure 2025 Certified Foundations Associate**

Sept. 2025

## Languages

- French – Advanced
- English – Advanced
- Arabic – Native