



# Ahmed Hachicha

## Cloud computing engineering student

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### SUMMARY

Cloud computing engineering student with a passion for optimizing systems and data integration. Seeking a final-year internship to apply my expertise in CI/CD pipelines, containerization, and cloud infrastructure, contributing to innovative solutions in cloud-native application development and deployment.

### PROFESSIONAL EXPERIENCE

#### Multiplatform E-Commerce & Training Platform Development

[EpoxyArt Floor](#)

August 2024 - October 2024, Remote, Belgium

- Built a **WordPress/WooCommerce** e-commerce and training platform, increasing sales by 20% in two months.
- Integrated **Stripe API** for secure, error-free payment processing.
- Optimized server performance with **Virtualmin/Webmin**, reducing page load time by 30%.

#### Mobile Sales Management Application in Flutter and Laravel

Select Home Equipment

June 2023 - August 2023, Tunis, Tunisia

- Developed a **Flutter-based** mobile app for inventory management, customer tracking, and order placement.
- Integrated with **ERP systems** via **Laravel API**, reducing manual data processing by 40%.
- Enhanced sales performance tracking for managers, boosting efficiency by 15%.

### PROJECTS

#### Automated CI/CD Pipeline with Jenkins, Docker, and Unit Testing

September 2024 - November 2024

- Designed a **CI/CD pipeline** for a **Spring Boot** project using **Jenkins**, reducing deployment time by 50% and ensuring code reliability with **SonarQube**.
- Implemented **unit testing** with **JUnit** and **Mockito**, improving test coverage and code quality.
- Leveraged **Docker** for containerization, achieving 95% consistency in development environments.
- Integrated **Prometheus** and **Grafana** for continuous monitoring, reducing downtime by 15%.

#### AI-Powered Mental Health Chatbot with FastAPI, Next.js, and Docker

[chatbot.ahmedhachicha.tn](#) • August 2024 - September 2024

- Developed **mental health chatbot** using **FastAPI** for the backend and **Next.js** with **Tailwind CSS** for the frontend, offering an empathetic, messenger-like user experience.
- Fine-tuned the **Flan-T5 AI model** with **Hugging Face Transformers** and **PyTorch**, enabling context-aware and empathetic conversational responses.
- Containerized the application with **Docker** and managed services using **Docker Compose** for streamlined deployment.
- Deployed on a **Virtualmin VPS** with **Nginx reverse proxy**, pushing Docker images to **DockerHub**.

#### Online Exam Platform with Spring Boot, Angular, and Azure

March 2024 - May 2024

- Built an online exam platform using **Spring Boot**, **Angular**, and a **microservices architecture** for scalability.
- Deployed on **Azure Kubernetes Service (AKS)** with Docker containers, achieving 99.9% uptime.
- Integrated an **automated grading system**, reducing evaluation time by 30%.

### EDUCATION

#### Engineering Degree in Computer Science, specializing in Cloud Computing

ESPRIT : École supérieure privée d'ingénierie et de technologie • Tunis, Tunisia • 2020

#### Baccalaureate

Lycée Mahmoud Megdiche • Sfax, Tunisia • 2020

### SKILLS

**Development Frameworks:** Spring Boot, FastAPI, Next.js, Laravel

**Tools & Platforms:** Docker, Kubernetes, Jenkins, Git

**Database Management:** MySQL, PostgreSQL, MongoDB | **ML:** PyTorch, Hugging Face Transformers, Scikit-learn

**Language :** Arabic: Native | French: Bilingual | English: B2

### INVOLVEMENT

#### Active member

Lions Club Tunis Esprit • January 2021 - June 2024