Ahmed BEN MAKHLOUF

Telecommunications Engineering Student — Networks & Cloud

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SUMMARY

Final-year Telecommunications Engineering student with a Bachelor's degree in ICT and hands-on experience in cloud computing, full-stack development, and DevOps automation. Skilled in Kubernetes, Apache Airflow, Docker, React, .NET, Node.js, and database design. Experienced in deploying microservices, building CI/CD pipelines, and workflow orchestration. Currently seeking an end-of-studies internship (PFE) to apply technical expertise and deliver innovative software and cloud solutions.

EDUCATION

2023 – Present	**Engineering Degree in Telecommunications** (Expected 2026) National School of Electronics and Telecommunications of Sfax (ENET'Com), Tunisia
2020 – 2023	**Bachelor's Degree in ICT – Telecommunications** National School of Electronics and Telecommunications of Sfax (ENET'Com), Tunisia

ACADEMIC PROJECT

Jan 2025 – Apr 2025 **ETL Pipeline Orchestration with Airflow & Kubernetes**

- Built automated ETL workflows for large-scale meteorological data processing.
- Managed scheduling and monitoring with **Apache Airflow**.
- Deployed pipelines on **Kubernetes** using **Docker** and **Helm**.
- Automated data cleaning & normalization in **Python**, improving quality by 20%.

EXPERIENCE

Jul 2025 – Sep 2025 (Planned) **Summer Internship – Proged Solutions**
Workflow Management Application with Power Automate

- Developed a web app integrating **Power Automate** workflows for monitoring automation.
- Built **.NET REST APIs** and a **React + Redux** frontend for real-time dashboards.
- Implemented secure **Azure Entra ID** authentication; stored logs in **Azure MySQL**.
- Enabled real-time alerts, reducing status check intervals from 30 to 5 minutes.

Jul 2024 – Aug 2024 **Summer Internship – Spark IT**
Automotive Repair Appointment Booking Platform

- Designed backend logic in **Symfony (PHP)** with REST APIs for booking management.
- Built responsive UI with **Vue.js**, **Bootstrap**, and **Tailwind CSS**.
- Optimized **MySQL** queries, reducing average response time by 15%.

Feb 2023 – Jun 2023 **Final-Year Internship – Darine Sparkle Products**
Online Ordering Web Application

- Developed RESTful backend with **Express.js (Node.js)** supporting multi-role access.
- Created responsive frontend with **Vue.js**, HTML, and CSS.
- Implemented product rating, image upload, and order tracking features.
- Applied **MVC architecture** and normalized **MySQL** schema.

TECHNICAL SKILLS

Programming: Java, C, PHP, JavaScript (Vue.js, React), Python, SQL
Frameworks: Spring Boot, Symfony, Express.js, Redux, Bootstrap, Tailwind CSS
Cloud & DevOps: Kubernetes, Docker, Apache Airflow, Helm, Git, CI/CD, Azure Cloud, Azure Entra ID
Networking: Cisco (CCNA Routing & Switching), Active Directory, Windows Server
Databases: MySQL, Azure MySQL, Oracle, GraphQL

CERTIFICATIONS

Cisco CCNA: Introduction to Networks
Cisco CCNA: Switching, Routing, and Wireless Essentials

LANGUAGES

French (B2), English (B2), Arabic (Native)