



# AHMED BEN CHÂABEN

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## ABOUT ME

Second-year Computer Science student passionate about Artificial Intelligence, seeking to develop practical experience within a high-impact, research-oriented environment. I am eager to contribute to concrete projects, translate theoretical knowledge into applied solutions, and further enhance my technical competencies for future academic and professional challenges.

## EDUCATION

National School of Engineering of Tunis - ENIT	September 2024-Present
Major: Computer Science	
Preparatory Institute for Engineering Studies of Nabeul (IPEIN)	September 2024-June 2024
Preparatory Program: Mathematics & Physics	
Baccalaureate in Mathematics – With Honors	June 2022

## Work Experience

### Data Analysis Intern - Unimed July 2025 - Aug. 2025

- Explored and analyzed operational data to understand industrial performance indicators and process efficiency.
- Designed and deployed interactive Power BI dashboards to support strategic decision-making across production units.
- Collaborated with cross-functional teams to interpret analytics outputs and optimize production workflows.

### Media Manager and Webmaster- IEEE ENIT SIGHT Group Jan. 2025 - Jan. 2026

- Led the digital and media presence of the group, managing web and social platforms to strengthen visibility and audience engagement.
- Showcased activities and achievements through high-impact visual content, including videos, posts, and interactive media.
- Ensured visual and branding consistency across all digital outputs and official and non-official documents.

### IT Manager - PESTGM Congrès - IEEE ENIT Student Branch Jan. 2025 - Sept. 2025

- Led the full development and deployment of the official event website using WordPress, ensuring responsive design and seamless UX.
- Ensured website performance, security, and real-time content updates throughout the event lifecycle.
- Collaborated with design and content teams to maintain branding consistency and enhance digital visibility of the conference.

## PROJETS

### Name Matching Engine May 2025

- Development of a Java-based matching engine enabling name search, comparison of two datasets, and intelligent deduplication.
- Modular and extensible architecture, allowing the integration of new matching or indexing strategies without impacting the core system.
- Memory and runtime optimization through efficient management of intermediate data structures.

### Final Year Project 1: Security in an IIoT Environment April 2025

- In-depth research on vulnerabilities specific to Industrial Internet of Things environments, covering network layers, industrial protocols, and embedded devices.
- Analysis of current security strategies and exploration of predictive methods (including machine learning and proactive detection) tailored to cybersecurity challenges in Industry 4.0.

### Internship Management System for a University Institute November 2025

- Development of a C-based application for managing internships within a university institute, including student registration, internship offer management, assignment tracking, internship validation, and thesis defense scheduling.

### PESTGM 6.0 Website April 2025

- Design and development of a responsive website to enhance communication and visibility of the PESTGM 6.0 conference.
- Advanced WordPress configuration and customization to efficiently structure content and simplify management for organizers.
- Improved user experience through clear navigation, coherent structure, and adaptive design across multiple devices.

## Dental Care Appointment Platform

December 2025

- Designed and developed a full-stack web application for end-to-end dental clinic management (appointments, patients, dentists, medical staff, and publications).
- Built a modern, responsive frontend using ReactJS (CRA, React Router DOM) with reusable components and role-based dashboards.
- Implemented a secure RESTful backend using Java EE deployed on WildFly, with JWT-based authentication and authorization.
- Ensured reliable data persistence and API communication using relational databases (MySQL/PostgreSQL) and Axios for frontend-backend integration.

## Skills

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**Programming Languages:** Python, C, C++, Java, Dart

**Machine Learning & AI Concepts:** Machine Learning, Deep Learning, Neural Networks, Computer Vision

**Frontend:** HTML, CSS, JavaScript, Next.js, React.js, WordPress

**Backend:** JEE, Java Spring Boot, C#, .NET, WildFly Server, Docker, Express.js, MongoDB, PostgreSQL, RestAPI

**Tools & Platforms:** Git, GitHub, VS Code, Jupyter Notebooks, Kaggle, Eclipse, IntelliJ IDEA, Postman, Docker Hub

**Soft Skills:** Communication, Teamwork, Autonomy, Problem Solving, Analysis, Adaptability, Continuous Learning

## LANGUES

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- **Arabe:** Mother tongue
- **Français:** B2
- **Anglais:** B2
- **Allemand:** Beginner(A1)

## ASSOCIATIVE WORK

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- **IEEE ENIT Student Branch (2025 – Present) :** Member / Webmaster & Social Media Manager – SIGHT Group
- **G2FOSS 2025-Present :** Member