RACHDI MED AMINE

Tunis

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SUMMARY

Third-year engineering student in computer engineering at ENSIT, specializing in new technologies and security. Proficient in Next.js the MERN stack with a strong command of both back-end and front-end architectures. Passionate about cybersecurity and cloud computing.

SKILLS

JavaScript/TypeScript, Node.js, Express, React, Next.js, Angular, Ionic 3, Electron, Pug, RESTful APIs, Microservices, Java, Spring Boot (JEE), JavaFX, Python, Flask, C/C++, PHP, MySQL, MongoDB, Git, Docker.

WORK EXPERIENCE

ITGATE | Summer Internship | Sousse   **Jul 2025 - Sep 2025**
Next.js, Tailwind CSS, Typescript, Express.js, MongoDB, React Native, AI, Docker JWT, OAuth
- Designed and developed **EduTunisia**, a **full-stack web and mobile e-learning marketplace** inspired by Udemy/Coursera.
- Built the platform with **Next.js (frontend)**, **Node.js/Express (backend)**, **MongoDB (database)**, and **React Native (mobile app)**.
- Implemented e-learning features: certifications, video streaming, quizzes, ratings, and AI-assisted tools.
- Implemented authentication using **JWT** and **OAuth 2.0** with **google**, **facebook** and **github**.
- Implemented authorization following the **RBAC model**.
- Integrated a custom **payment system** supporting local Tunisian methods (Edinar, D17, bank transfers).
- Deployed the application on **Ubuntu server** with **Docker** and implemented **security testing**.

LEONI TUNISIA | Summer Internship | Sousse   **Jul 2024 - Aug 2024**
Node.js, Express.js, MongoDB, Bootstrap, Pug, Postman, Python, GitHub, JWT
- Developed a **web application** for the digitization of the homologation protocol for the first delegation of equipement
- Integrated a **Python** script for automatic generation of Word documents and electronic signatures
- Tested and documented APIs using **Postman**.

PROJECTS

WebAppBuilder   **Jan 2025 - May 2025**

PFA 2 | Dynamic No-Code Web Application Builder | **Angular, Spring boot, JWT Auth, Angular Drag and drop, MongoDB**

- Developed a full-stack **no-code web platform** enabling users to design and launch interactive websites through a **drag-and-drop** interface with zero coding experience.
- Integrated live database connectivity to front-end components, allowing real-time interaction with user-managed data.
- Designed an intuitive builder interface in **Angular** supporting dynamic component binding and layout customization.

Doctor Appointment Mobile App   **Feb 2025 - May 2025**

Appointment Scheduling System mobile application | **Ionic, Flask, MongoDB**

- Built a **mobile app** enabling patients to discover, book, and manage appointments with certified doctors.
- Implemented patient-doctor **role management, real-time messaging, and secure file sharing** for pre-consultation documentation.
- Designed a notification engine for appointment reminders and updates.

EDUCATION

Higher National School of Engineering Tunis   **Jan 2023 - Present**
Computer Engineering Cycle.

Faculty of Science Monastir   **Jan 2021 - Jan 2023**
Preparatory Cycle for Entrance to Engineering Schools – Mathematics and Physics Section.

Languages

Arabic (Native)
French (C1 TCF TP)
English (C1)