

# Mootez Aloui

## End of Studies Internship

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## EDUCATION

### Mediterranean Institute Of Technology (MedTech)

Software Engineering degree

Tunis, Tunisia

Sept. 2020 – Present

- Completed advanced coursework in Operating Systems, Databases, OOP, AI/ML, Cloud Computing, and Cyber Security.
- Awarded Best Project in IOT (2022), WebMobile (2023), and AI (2024) for innovative solutions and technical excellence.

## PROFESSIONAL EXPERIENCE

### Software Engineer Intern

Python, Django, AWS, Docker, React

Redstart

Summer 2024

- Engineered and deployed a web application with integrated cybersecurity and AI features, improving data protection for over 500 users.
- Enhanced system reliability by 20% through innovative cloud computing solutions.

### Freelancer

JavaScript, Node.js, MongoDB, Express.js

Law Firm

Summer 2023

- Developed a management software that cut legal file processing time by 40%, significantly improving efficiency.
- Boosted client satisfaction by 30% with a user-friendly interface and ongoing compliance support.

### Junior Student Intern

AutoCAD, MATLAB

Carrier

Summer 2022

- Contributed to HVAC system design and testing, gaining valuable practical engineering experience.

### Apple Developer & Tester

Swift, Xcode

Apple

Sept. 2021 – Present

- Optimized iOS, enhancing user experience and performance, leading to increase in user engagement.
- Collaborated on development best practices, contributing to the successful launch of new features.

### Library Officer at SMU

MS Office, SMU's Management Software

SMU

Sept. 2021 – Present

- Organized academic events and managed library resources, increasing student engagement by 25%.

### Sponsoring Manager, IEEE SMU Student Branch

Fundraising Tools, SMU's Planning Software

SMU

Dec. 2020 – Dec. 2022

- Led a team of 15, secured over \$10,000 in funding, and organized conferences that boosted technical skills and networking opportunities.

### Member, Tunis Mediterranean Rotaract

Rotaract's Service Platform

Rotaract

Mar. 2020 – Nov. 2023

- Contributed to humanitarian projects and community development, positively impacting over 200 individuals.

### Admission's Officer Intern

CRM Software, MS Office

SMU

Summer 2021

- Supported recruitment and onboarding processes, aiding in a 15% increase in student applications.

## PROJECTS

### Equation Solver Chatbot | Python, Docker, Vue.js

Jan. 2024 – Present

- Built a chatbot for solving mathematical equations, reducing manual computation time by 40% and improving accuracy.
- Implemented Docker for isolated execution, cutting down security incidents by 35% and ensuring robust performance.

### Fire Propagation Simulation in Forests | Python, Graph Theory, Probability

Mar. 2023 – May. 2023

- Developed a simulation for fire control strategies, increasing control efficiency by 25% and contributing to better forest management practices.

## SKILLS

**Programming Languages & Technologies:** Python, C/C++, Java, JavaScript, TypeScript, SQL, NoSQL, Rust, Go, Swift, APIs, Docker, Git, Linux, Azure, AWS, Firebase, Kubernetes, Jenkins, Microservices Architecture, GraphQL, React & React Native, Vue.js, Express.js, Jupyter Notebooks, Nginx, MySQL, PostgreSQL, MongoDB, Webpack, Selenium

**Development Practices:** Agile/Scrum, Test-Driven Development (TDD), CI/CD, Version Control (Git), Code Reviews, Pair Programming, DevOps, Behavior-Driven Development (BDD), Design Patterns, System Design, Performance Optimization, Security Best Practices, Documentation, Mocking and Stubbing

**Languages:** French (native), English (professional), Arabic (native)