

# CHAARI MAHMOUD

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Sfax, Tunisia

## OBJECTIVE

Final year software engineering student at the Faculty of Sciences of Tunis, with solid experience in mobile and web application development. Passionate about artificial intelligence and cloud computing, I am seeking internship opportunities, both national and international, for my final project (PFE), to apply my skills to innovative projects and contribute to cutting-edge technological solutions.




## EXPERIENCE

- **Sofrecom**  July 2024 - August 2024  
*Summer Internship* Sfax, Tunisia
  - Developed a mobile task management application with automatic scheduling using AI
  - Utilized Flutter, Dart, Flask, and Node.js for development..
  - Created a machine learning model using PyTorch.
  - Hosted the backend on Google Cloud Platform (GCP).
  - Integrated biometrics (fingerprint, Face ID) for authentication.
- **Intercom Technologies**  June 2023 - July 2023  
*Summer Internship* Ariana, Tunisia
  - Developed a mobile application for field data collection for fiber optics.
  - Used Flutter, Clean Architecture, Hive, Postman, GitLab, and Scrum methodology.

## EDUCATION

- **Faculty of Sciences of Tunis** 2022-Present  
*Second cycle* Tunis, Tunisia
  - ENGINEERING CYCLE IN SOFTWARE ENGINEERING
- **Faculty of Sciences of Tunis** 2020-2022  
*First cycle* Tunis, Tunisia
  - INTEGRATED PREPARATORY CYCLE FOR ENGINEERING STUDIES IN COMPUTER SCIENCE
- **Abou El Kacem Chebbi High School** 2016-2020  
*High School education* Sfax, Tunisia
  - BACALAUREATE IN EXPERIMENTAL SCIENCES (WITH HONORS)


## PROJECTS

- **Web Project: [DEVELOPMENT OF A HOTEL RESERVATION APPLICATION]** May 2024  
*Tools: [Spring Boot, Spring Security, React.js]* 
  - Developed a complete hotel reservation application using Spring Boot for the backend, Spring Security for authentication and authorization management, and React.js for the frontend.
  - The project included search and booking functionalities, reservation and room management, and user authentication.
- **Cloud Project: [DEPLOYMENT OF A 3-TIER APPLICATION ON AWS]** January 2024  
*Tools: Amazon Web Services (AWS), Shell*
  - Led the complete deployment of a 3-tier structured application (frontend, backend, and database) on the AWS platform.
- **Machine Learning Project: [FOOD FRAUD DETECTION]** April 2024  
*Tools: [Python, Tensorflow, Keras, Numpy, Matplotlib]* 
  - Implemented an anomaly detection technique using an autoencoder to identify food fraud from image data. The model learned the features of authentic products and detected anomalies indicating cases of fraud, thereby improving food safety and quality.
- **Linux Project: [DEVELOPMENT OF AN AUTOMATIC GNOME CONFIGURATION SCRIPT]**  
*Tools: [Linux, Shell, Dconf, Gnome]* 
  - Developed an automatic configuration script for GNOME 42.9 for Ubuntu 22.04 and other Debian systems.


SKILLS

- **Programming Languages:** C, C++, Java, Python, Rust, Shell, JavaScript, TypeScript, Dart, R
- **Web and Mobile Technologies:** Flutter, Spring Boot, React, Angular, Bootstrap, Java EE
- **Backend Technologies:** Node.js, Express.js, Flask, Springboot
- **Database Management Systems:** Oracle, MySQL, MongoDB? Hive
- **Data Science & Machine Learning:** PyTorch, Keras, TensorFlow, Hadoop, Spark, Talend
- **Cloud Technologies:** AWS, Microsoft Azure, Google Cloud Platform (GCP), Oracle Cloud
- **Testing Technologies:** JUnit, Mockito, Postman, Swagger
- **DevOps & Version-control:** Git, Docker, Jenkins, Terraform
- **Other outils & Technologies:** Trello, Github

LEADERSHIP EXPERIENCE

- **President** 2022-Present  
*Club des logiciels libres CLLFST* 
  - Organized problem-solving events aimed at developing and applying creative solutions to specific challenges.
  - Coordinated the open house event at the Faculty of Sciences of Tunis, including planning, coordination, and event management to welcome and inform prospective students and the public.
  - Strengthened project management, team coordination, and event organization skills, with a focus on participant engagement and effective challenge resolution.

VOLUNTEERING ACTIVITIES

- **Volunteer** 2022-Present  
*Tunisian Red Crescent, Regional Committee of Sfax* 
  - Participated in the "Ramadan Basket" collection event aimed at helping families in need during the month of Ramadan.
  - Holder of APS (First Aid Certificate) and CPSE (Team First Aid Certificate).
  - Developed communication and teamwork skills.

CERTIFICATIONS

- **AWS Academy Cloud Foundations** January 2024
- **CCNA: Introduction to Networks** January 2024
- **Azure Fundamentals** May 2024
- **Azure AI Fundamentals** May 2024
- **Azure Data Fundamentals** June 2024
- **Fundamentals of Deep Learning** June 2024
- **Applications of AI for Predictive Maintenance** June 2024
- **Building Transformer-Based Natural Language Processing Applications** June 2024
- **GitHub Foundations** July 2024
- **Oracle Cloud Infrastructure 2024 Generative AI Certified Professional** July 2024
- **GitHub Foundations** July 2024
- **Diploma in Advanced French (DALF) Level C1** August 2024

ADDITIONAL INFORMATION

**Language Skills:** Arabe (Native), French (DALF C1), English (Professional), German (Beginner)  
**Interests:** Emerging technologies (AI, Cloud, Machine Learning), Open-source projects

REFERENCES

References available upon request.