

# OUSSEMA CHERCHERI

## Software Engineer

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**Portfolio:** [oussemachercheri.github.io](https://oussemachercheri.github.io) | **LinkedIn:** [linkedin.com/in/chercheri-oussema-807213218/](https://linkedin.com/in/chercheri-oussema-807213218/) | **GitHub:** [github.com/OussemaChercheri](https://github.com/OussemaChercheri)

## SUMMARY

Software Engineer specialized in **full-stack web and mobile development** using Django, Flutter, Angular, and React. Skilled in designing scalable applications, RESTful APIs, and database systems. Experienced with Agile methodologies, CI/CD pipelines, and containerization using Docker. Strong communication and teamwork skills with a passion for developing efficient, user-centered software solutions.

## TECHNICAL SKILLS

**Programming Languages:** Java, JavaScript, TypeScript, C#, Dart, Python

**Frontend:** Angular, React, Flutter

**Backend:** Django, Node.js, Spring Boot, .NET

**Databases:** MySQL, MongoDB, PostgreSQL

**DevOps / Tools:** Docker, Git, GitHub, Swagger, CI/CD, REST APIs

**Methodologies:** Agile, Scrum, Test-Driven Development

**Cloud / Other:** AWS (Basic), Firebase, GitHub Actions

**Soft Skills:** Problem Solving, Teamwork, Leadership, Adaptability, Communication

## WORK EXPERIENCE

### 4inTechnologie

Feb 2025 – Aug 2025

*Final Year Intern – Full Stack Developer*

- Developed **OilApp**, a cross-platform solution for digitalizing Tunisian olive mills.
- Automated weighing, billing, and client tracking processes, reducing manual tasks by 40%.
- Designed an **AI-based energy optimization system** predicting operational costs and resources.
- Implemented Machine Learning models (Random Forest, Gradient Boosting) achieving  $R^2 = 0.95$ .
- Built a full-stack solution using **Flutter (frontend)** and **Django + PostgreSQL (backend)**.

### IEEE Tekup

Sept 2024 – Nov 2024

*Software Development Intern*

- Contributed to internal web development and automation projects.
- Led Agile sprint planning and team collaboration for software delivery.
- Organized technical workshops and coding events for the student community.

### Tunav

Jun 2024 – Aug 2024

*Software Developer Intern*

- Developed an automated claims management system reducing processing time by 30%.
- Built dynamic user interfaces using **Angular** and maintained backend services with **.NET**.
- Documented REST APIs using Swagger for improved maintainability.

## ACADÉMIQUE PROJECTS

### Tourism Services Platform (Node.js, Angular, MongoDB)

Developed a role-based platform with JWT authentication, analytics dashboard, and admin panel.

### E-learning Platform (Spring Boot, Angular, MySQL)

Created secure REST APIs and implemented full front-to-back integration for online course management.

## EDUCATION

**Engineering Degree in Computer Science** – Tekup University, Tunis

2019 – 2025

**Baccalaureate in Computer Science** – El Haouaria High

COMMUNITY INVOLVEMENT

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**IEEE Tekup Student Branch**  
Sponsorship Lead (2024), Team Leader (2023), Active Member (2023)

LANGUAGES

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Arabic (Native)    |    French (Fluent)    |    English (Fluent)