Contact

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Tunis, Tunisia

LinkedIn

GitHub

Portfolio

Education

2022 - 2025
Software Engineering
ESPRIT

2019-2022
Physics & Chemistry Preparatory Studies
IPEIT

🧩 CORE SKILLS

- Resource Management
- Creativity
- Negotiation
- Critical Thinking
- Leadership
- Agile / Scrum
- API Design

💻 TECHNICAL STACK

- **Languages**: Python, Java, .NET
- **Frameworks**: Django, Spring Boot, Angular
- **Web**: HTML, CSS, JavaScript
- **AI & Data**: ML , DL, Power BI
- **Databases**: SQL
- **Tools & DevOps: Linux, Jenkins, Docker, DockerHub, Nexus, SonarQube, Prometheus, Grafana, UML, FlutterFlow**

Languages

English (B2)

French (B2)

Spanish (Basic)

Nidhal Dalhoumi
Junior Software Engineer – AI & Full-Stack (Django / Angular)

Software Engineer with hands-on experience building ML-enabled web platforms using Django, Angular, and Python. Passionate about AI, real-time systems, and data-driven applications.

Experience

End of studies Project – Medico International Services | 2025
Web platform using Django , Angular and Deep Learning

- Developed a medical web platform using Django & Angular.
- Implemented real-time communication using WebSockets.
- Integrated YOLO deep learning model to analyze prosthesis images.
- Delivered clinical decision-support features for healthcare professionals.

IC CANADA –Software Engineering Intern | 2024
BI Management Platform – Django & Angular

- Built a business intelligence management application.
- Implemented low-code modules for faster workflow configuration.
- Designed interactive dashboards and advanced filtering system.

Tunisie Telecom – Customer Support & Network Operations Intern |2023

- Assisted in customer account management and service operations.
- Gained hands-on exposure to telecommunication networks and communication systems.
- Resolved technical and customer-related issues through structured problem-solving approaches.

Projects

Colocation & Carpooling Matching Platform – ESPRIT | Spring Boot & Angular

- Designed a platform for housing and ride-sharing matching.
- Developed intelligent matching algorithms to optimize results.
- Implemented security mechanisms and user profile verification.

Customer center & stock management Platform – ESPRIT | Java & Java FX , Symfony

- Built a desktop application for customer relationship management.
- Implemented stock management and customer center modules.

DevOps & QA Automation Project – ESPRIT | 2025

- Built and executed a CI/CD pipeline with Jenkins, integrated with GitHub and Docker.
- Performed automated code quality analysis using SonarQube and API testing with Postman / Swagger.
- Deployed and monitored containerized applications using Docker, Prometheus, and Grafana.

Leadership & Activities

DeepFlow Club –Chairman | 2023 – 2024
- Organized and delivered "AI for All", supervising machine learning workshops for students.
- Led the AI HackFlow 2.0 event at the City of Sciences Tunis, coordinating speakers and participants.

Tunivisions IPEIT Club – Chairman | 2021 – 2022
- Built and strengthened community engagement through innovative technical events.
- Organized "Road to 5.0", a conference series combining Industry 5.0, Artificial Intelligence, and Robotics.