Wale Eddine Djemel

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SUMMARY

Third-year computer science student building full-stack web apps, integrating AI, and developing a cross-platform app. Seeking an internship or work-study opportunity.

SOFT SKILLS

- Problem solving and debugging
- Technical documentation
- Teamwork & Communication skills
- Self-taught learner
- Time management (juggling multiple projects)

SELECTED PROJECTS

Full-Stack Web Application for IIT University:

University Club Manager – Club & Event Management System:

- Built a complete PHP/MySQL web app with role-based access (Student, Club Manager, Admin)
- Implemented secure authentication: email verification, password reset via email, Google OAuth 2.0 login
- Created dynamic dashboards with AJAX-powered admin panel, search/filter, and sortable tables
- Developed features: club membership requests, event registration with payment tracking, notifications

Tech: PHP, MySQL, JavaScript, HTML5, CSS3, PDO, AJAX

Pilates Studio Class Booking (ExaDev Internship, July 2026)

- Built a booking platform with dedicated views for clients, coaches, and administrators.
- Implemented class scheduling, reservations, and a context-aware AI assistant.
- **Tech:** React, Laravel, MySQL

Workshop Zero

- Built an early prototype of an AI invention assistant with a 2D and 3D workbench.
- Users can change a tabletop stand's load weight and position to explore tipping risk.

Humpty Dumpty

- Developing a cross-platform jobs and gigs app with a Swedish startup.
- The preview website introduces the app and collects early-access sign-ups.

TECHNICAL KNOWLEDGE

- Object-Oriented Programming(Python , Java, javascript)
- Operating systems fundamentals (Linux processes, memory, file systems)
- Networking fundamentals (Cisco Packet Tracer,TCP/IP, OSI model, services)
- Database engineering fundamentals (SQL , PLSQL)
- Computer architecture & logic circuits
- Optical Character Recognition (OCR) using MATLAB
- Image preprocessing (binarization, filtering, segmentation)
- Automated web testing using Selenium with Python
- Test case design & execution
- Debugging & test reporting
- Game Development (Unity Engine , C# scripting ,Basic UI & scene management)

DIGITAL SKILLS

Programming Languages

Python | JavaScript | Java | PHP | C | C# | SQL | PL/SQL | Prolog | HTML | CSS

Databases

MySQL | MariaDB | Oracle | MongoDB (NoSQL, data modeling) | Supabase | Firebase

Frameworks

React | React Native | Flutter | Laravel | Bootstrap | JavaFX / FXML | .NET

Tools & Technologies

Git & GitHub | Docker | Selenium (Python) | API testing | Arch Linux | Ubuntu
Azure fundamentals | AWS Cloud Practitioner | AI integration | RAG | Vector search
Machine learning | Deep learning | Model training

LANGUAGE SKILLS

Native Language: Arabic

Other Languages: English (C2), French (B2), German (A2, ÖSD)

EDUCATION

Bachelor's Degree in Software Engineering and Information Systems *2024 - Present*

International Institute of Technology
Address: Route de tunis km 10, Technopole El Ons, Sfax

Baccalaureate in Technical Sciences *25/06/2024*

Majida Boulila High school
Address: Sfax,Tunisia

ADDITIONAL INFORMATION

Certifications

- Microsoft Azure Essentials Professional Certificate by Microsoft and LinkedIn
- Docker Foundations Professional Certificate
- Career Essentials in GitHub Professional Certificate
- Career Essentials in GitHub Copilot Professional Certificate
- Atlassian Agile Project Management Professional Certificate
- Building AI-Powered Search with MongoDB Vector Search
- From Relational Model (SQL) to MongoDB's Document Model
- EF SET English Certificate (C2 Proficient)
- AI Career Readiness (ASEAN Foundation)