

Mohamed Aziz Zouaghi

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Ibn Khaldoun City, Tunis 2060, Tunisia

OBJECTIVE

Final-year Software Engineering student and Master's Research candidate in Information Systems at ENIT, with strong interests in healthcare technologies, automotive embedded systems, cybersecurity, cloud computing, DevOps, and artificial intelligence. Motivated to contribute to cutting-edge research and development projects that integrate information technology with healthcare and other critical domains to deliver secure, scalable, and impactful solutions.

EDUCATION

- National School of Engineers of Tunis (ENIT)** Sep 2025 – Jun 2026
Research Master's Degree in Information Systems Techniques, Electrical Department
Tunis, Tunisia
- National School of Engineers of Tunis (ENIT)** Sep 2023 – Jun 2026
National Engineering Degree in Information and Communication Technologies
Tunis, Tunisia
- Preparatory Institute for Engineering Studies of Monastir (IPEIM)** Sep 2021 – Jun 2023
Preparatory Studies Diploma in Mathematics and Physics
Monastir, Tunisia
- Taher Sfar Mixed High School** Sep 2017 – Jun 2021
High School Diploma – Baccalaureate in Mathematics
Mahdia, Tunisia

EXPERIENCE

- Research Laboratory LIMITIC**  Apr 2025 – Present
Software Engineer (Full Stack Developer)
Tunis, Tunisia
 - Collaborating with researchers to design and enhance web applications that support lab workflows and data management.
 - Coordinating development of user-focused features such as researcher profiles, project dashboards, and collaborative access.
 - Practiced teamwork, problem-solving, and time management in a research-driven environment.
- VERMEG, IT Department**  Jul 2025 – Sep 2025
DevOps Intern
Tunis, Tunisia
 - Supported end-to-end deployment of microservices, ensuring smooth integration and operational reliability.
 - Collaborated with cross-functional teams to implement automated processes and monitoring dashboards.
 - Developed professional skills in communication, strategic planning, and proactive problem-solving in enterprise IT.
- ENIT - Dept. of ICT**  Oct 2024 – Apr 2025
Student Researcher – Automotive Ethernet Security
Tunis, Tunisia
 - Participated in a research initiative on Automotive Ethernet security, contributing to risk analysis and mitigation planning.
 - Coordinated with peers to evaluate vulnerabilities and implement testing methodologies.
 - Strengthened analytical thinking, attention to detail, and collaborative research skills.
- RFC, Support Department**  Jul 2024 – Aug 2024
Intern
Tunis, Tunisia
 - Assisted in reviewing IT policies and access controls, ensuring compliance with organizational standards.
 - Learned professional documentation, auditing processes, and teamwork within a corporate IT department.
- CodeAlpha**  May 2024 – Jun 2024
Remote Intern
Remote, India
 - Contributed to the development of internal tools, improving workflow efficiency for the remote team.
 - Applied problem-solving, self-motivation, and effective remote communication skills in a professional setting.

PROJECTS

- **Enhancing Automotive Ethernet Network Security** 2025
Tools: OMNET++, INET, PyVis, IDS
 - Researched vulnerabilities in Automotive Ethernet and AUTOSAR standards.
 - Simulated cyberattacks (sniffing, replay, flooding) and implemented an IDS for mitigation.
- **LIMTIC Web Application** 2025–2026
Tools: Node.js, React, Angular, Spring Boot, Keycloak
 - Built a microservices platform for laboratory operations with authentication and real-time tracking.
- **SSATF: Transaction Validation Microservice** 2025
Tools: Node.js, Docker, Jenkins, Terraform, Ansible, Azure, ELK
 - Developed a microservice for transaction validation with automated CI/CD and ELK monitoring.
- **SAIS: Security of AI Systems** 2024
Tools: Python, TensorFlow, PyTorch
 - Studied vulnerabilities in AI systems and tested mitigation strategies against adversarial attacks.
- **JESMAZ Cinema Management System** 2024–2025
Tools: JEE, JSP, MySQL, APIs
 - Built a cinema management system with ticketing, payments, and user authentication.
- **E-commerce Platform for Bio Products** 2024–2025
Tools: Spring Boot, Angular, PostgreSQL
 - Developed an online store with secure payments and responsive design.
- **Attendance Management System** 2024
Tools: Spring Boot, JS, HTML, CSS
 - Built an application to track and report student/teacher attendance.
- **Search Engine for Document Indexing** 2024
Tools: Java
 - Designed a search engine with optimized ranking and filtering for relevant results.
- **CI/CD Pipeline for Node.js Application** 2025
Tools: Jenkins, Docker, Kubernetes, SonarQube
 - Automated build, test, and deployment pipeline with integrated code quality checks.

SKILLS

- **Programming Languages:** Java, Python, C, C++, C#, JavaScript
- **Web Development:** React, Angular, Node.js, Express, HTML, CSS
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Cloud & DevOps:** Docker, Kubernetes, Jenkins, Ansible, Terraform, Azure, AWS, ELK, Linux
- **Data Science & AI:** Machine Learning, Deep Learning, Data Mining, Generative AI
- **Other Tools:** Google Cloud API, Wildfly, SonarQube, OMNET++, INET, PyVis
- **Soft Skills:** Collaboration, Leadership, Communication, Time Management, Self-Motivation, Strategic Thinking

VOLUNTEER EXPERIENCE

- **Founder & President** 2024 – Present
ENIT GAMBIT Chess Club
 - Established and led the first chess club at ENIT, organizing tournaments and training sessions.
 - Promoted strategic thinking, teamwork, and community engagement among members.
- **Senior Member** 2023 – Present
ENACTUS Tunisia
 - Contributed to social entrepreneurship projects supporting innovation and community impact.
- **Senior Member** 2023 – Present
G2FOSS Club
 - Supported initiatives in free and open-source software, encouraging collaborative development and knowledge sharing.

CERTIFICATIONS

- **Jenkins Pipelines – KodeKloud** 2024
- **Kubernetes for Absolute Beginners – KodeKloud** 2024
- **Terraform Basics Training Course – KodeKloud** 2024
- **Docker Essentials: A Developer Introduction – Cognitive Class** 2024
- **AWS Knowledge: Cloud Essentials – Amazon Web Services (AWS)** 2023
- **CCNA: Introduction to Networking – CISCO** 2022
- **Efficient Large Language Model (LLM) Customization – NVIDIA** 2024