ILEF KRISTOU

Final-year Software Engineering Student

📞 +216 54 219 220   ✉ ilef.kristou@etudiant-fst.utm.tn   📍 Tunis, Tunisia   🔗 ilef-kristou   🌐 Portfolio   🐙 ilef-kristou

Final-year Software Engineering student at the Faculty of Sciences of Tunis, passionate about full-stack development with a strong interest in Artificial Intelligence (AI) and cloud computing. Experienced in designing modern web applications using Angular, React.js, Spring Boot, and Nest.js. Curious, motivated, and dynamic, actively seeking professional opportunities to apply my skills while continuing to grow.

PROFESSIONAL EXPERIENCE

Full-Stack Intern | TAC-TIC | Tunis   Jul. 2025 - Aug. 2025
- Designed and developed a full-stack web application using **React.js** (frontend), **Laravel** (backend), and **MySQL** for managing a training center.
- Features: Multi-role authentication system, admin dashboard, training management, schedules and resources, online registration and validation.

Frontend Developer | Startup Colibris | Tunis   Nov. 2024 - Feb. 2025
- Developed the frontend of a circular economy and waste collection e-commerce platform using **React.js**.
- Interfaces implemented: Home page, authentication, e-commerce shop, contact form, appointment booking, and personalized profiles.

PROJECTS

Modern CRM Platform   Oct. 2024 - Jan. 2025
- Modern and reliable **web-based CRM** built with **Angular**, **NestJS**, and **MySQL**, featuring secure authentication, centralizing contact data, optimizing the prospecting cycle, and providing document management and interactive dashboards.

Restaurant Reservation and Rating Platform   Mar. 2025 - May 2025
- Web application developed with **Angular** and **Spring Boot**, offering online reservation, rating system, and multi-user management (clients, Restaurant managers, administrators) with secure authentication via **Spring Security** and **JWT**.

Deployment of a 3-Tier Cloud Architecture on AWS   Dec. 2024
- Implemented a secure 3-tier architecture **(VPC, subnets, security groups)** using **AWS** services **(EC2, RDS, S3)** with high availability **multi-AZ**.
- Configured auto-scaling, load balancers, and multi-AZ **RDS**, monitored via **CloudWatch** to ensure performance and availability.

Anomaly Detection and Multi-Class Classification   Apr. 2025
- Developed an autoencoder for anomaly detection using reconstruction thresholds, extended with **K-Means** clustering in latent space for multi-class classification.
- Comparative evaluation of models with specialized metrics **(F1-score, ARI, Silhouette Score)** and implemented in **Python** with **TensorFlow/Keras** and **Scikit-learn**.

EDUCATION

Engineering Degree in Software Engineering   2023 - Present
Faculty of Sciences of Tunis (FST)

Integrated Preparatory Cycle (Maths-Physics-Computer Science)   2021 – 2023
Faculty of Sciences of Tunis (FST)

Baccalaureate in Experimental Sciences – High Honors   2021
Lycée Mohamed Ali Annabi, Ras Jebel

TECHNICAL SKILLS

- **Frontend:** Angular, React.js, HTML, CSS
- **Backend:** Spring Boot, Laravel, Nest.js, Node.js
- **Languages:** Java, Python, C, C++, JavaScript, TypeScript, R
- **Databases:** MySQL, MongoDB
- **Tools & DevOps:** Git, GitHub, GitLab, AWS, Docker, Jenkins, Kubernetes, Grafana, Prometheus, Postman, JIRA
- **Methodologies:** Scrum

ASSOCIATIVE EXPERIENCE

Optima Junior Enterprise: Project Consultant (2024-25), Business Development Consultant (2023-24)

Google Developer Student Club FST: Active Member (2022-23)

LANGUAGES

Arabic (Native), French (C2), English (C1).