

# Mejri Salma

Tunis, Tunisia | Mejri.Salma1@esprit.tn | (+216) 53 602 680

linkedin.com/in/salma-mejri-6a757421a | github.com/MejriSalmaa

## Professional Summary

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Motivated and passionate Computer Science Engineering student with a strong foundation in software development and a growing interest in DevOps practices and artificial intelligence. Eager to apply academic knowledge to real-world projects through a final-year internship. Skilled in designing and developing efficient, scalable solutions, with a commitment to learning, collaboration, and delivering impactful results in dynamic, innovative environments.

## Education

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| <b>Engineering Degree in Computer Science - ESPRIT</b> Tunis                   | Sept 2023 – now       |
| <b>Bachelor's Degree in Applied Computer Science E-Business - ESEN</b> Manouba | Sept 2020 – June 2023 |

## Experience

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| <b>DevOps Engineer Intern</b> , Wevioo – Tunis | June 2025 – Aug 2025 |
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- Designed and deployed a modular, scalable CI/CD pipeline to accelerate collaborative software delivery and reduce deployment time.
- Orchestrated backend and frontend containers with Docker Compose and Kubernetes.
- Implemented Horizontal Pod Autoscaler (HPA) to auto-scale Pods ensuring high availability and resource optimization.
- Integrated SonarCloud achieving 84.21% test coverage.
- Set up Prometheus and Grafana dashboards for real-time monitoring of CPU, memory, and response times.
- Tools: Kubernetes, Docker Compose, Minikube, SonarCloud, JaCoCo, Prometheus, Grafana, CI/CD, DevOps, Github Actions

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| <b>Corporate Immersion Internship</b> , Wevioo – Tunis | June 2024 – Aug 2024 |
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- Built a full-stack event management app with custom calendar, real-time updates, and push notifications.
- Added JWT auth, advanced search/filtering, and responsive UI across devices.
- Enhanced chat file format with backward-compatible search and designed secure user profiles.
- **Tools:** React.js, NestJS, MongoDB, MaterialUI, Swagger, GitHub

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| <b>End-of-study internship in web development</b> , Pikoro – Tunis | Feb 2023 – June 2023 |
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- Conception and Development of a digitalization platform for associative life “Studenty”
- Tools: MongoDB, ExpressJS, Angular, NodeJS
- Agile methodology: Scrum

## Projects

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| <b>MindWell: AI-Powered Student Wellness Platform</b> | Sept 2025 – Oct 2025 |
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- Developed a web platform for student well-being with AI stress prediction, yoga posture analysis via Computer Vision, personalized nutrition plans, and a wellness blog.
- Implemented secure authentication and real-time tracking of mental and physical health metrics.
- **Tools:** Laravel, Python, Computer vision, MySQL

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|---|----------------------|
| <b>AI Education Hub: Intelligent Learning Assistant</b> | Sept 2025 – Oct 2025 |
|---|----------------------|

- Built an AI platform automating exercise generation from uploaded course materials using NLP and Generative AI.
- Integrated PDF content extraction, video summary generation, student stress prediction, analytics dashboard, and full evaluation module.

- **Tools:** Python, Django, MongoDB, Transformers, Whisper, scikit-learn, NLP, Generative AI

**UniMindCare: University Mental Health Platform**

Feb 2025 – May 2025

- Built a full-stack mental health platform with case management, real-time scheduling, AI-driven well-being recommendations, and gamified wellness activities.
- Enabled priority-based crisis handling with geolocation, secure documentation, and data insights while ensuring privacy compliance.
- **Tools:** MERN Stack, Socket.io, Docker, Jest

**ML Models for Student Well-being Prediction**

Feb 2025 – May 2025

- Trained XGBoost, KNN, SVM models to predict Burnout Risk, recommend support resources, and segment students from Reddit behavioral data.
- **Tools:** Python, Google Colab

**Online Library – Microservices Architecture**

Feb 2025 – Apr 2025

- Developed scalable library system using Spring Boot and Node.js microservices with intelligent recommendations, Stripe payments, and real-time notifications.
- Implemented service discovery (Eureka), async messaging (RabbitMQ), JWT security, and Docker deployment.
- **Tools:** Angular, Spring Boot, Node.js, MongoDB, MySQL, Docker, RabbitMQ

**Advanced CI/CD Pipeline Automation for Frontend and Backend**

Oct 2024 – Mar 2025

- Designed and implemented automated CI/CD pipelines for the backend (Maven, JUnit/Mockito, JaCoCo, SonarQube, Nexus) and frontend (Angular, npm).
- Containerized both services and deployed using Docker Compose for unified integration.
- Integrated Prometheus and Grafana for real-time monitoring and performance tracking.
- **Tools:** Jenkins, Docker, SonarQube, JaCoCo, Nexus, Grafana, Prometheus, GitHub.

**UX/UI Web App for Rare Collectibles**

Oct 2024 – Mar 2025

- Conducted UX research interviews and personas using Looppanel, designed and tested Figma prototypes with TLDV.
- Built responsive, high-fidelity frontend with Tailwind CSS and deployed on Vercel with 95% design accuracy.
- **Tools:** Figma, Tailwind CSS, Vercel, Looppanel, TLDV

**Skills**

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|------------------------------|---|
| <b>Programming Languages</b> | Java, JavaScript, Python  |
| <b>Front-End</b>             | HTML, CSS, Tailwind CSS, React.js, Angular  |
| <b>Back-End</b>              | Spring Boot, NodeJS, ExpressJS, NestJS, Symfony, Laravel                                |
| <b>Databases</b>             | MySQL, MongoDB, H2  |
| <b>DevOps</b>                | Docker, Jenkins, GitHub Actions, SonarQube, Git, Nexus, Kubernetes, Grafana, Prometheus |
| <b>Soft Skills</b>           | Communication, Adaptability, Problem-Solving  |

**Certifications**

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| <b>Graph Developer - Associate</b><br><i>Apollo GraphQL</i>           | <b>Jenkins: Building CI/CD Pipeline for Scalable Web Apps</b><br><i>KodeKloud</i> |
| <b>Hashgraph Developer Course</b><br><i>The Hashgraph Association</i> | <b>AWS Cloud Foundations</b><br><i>AWS Academy</i>                                |

**Languages**

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|----------------|--------|
| <b>English</b> | Fluent |
| <b>French</b>  | Fluent |