Abderrahmen Zarrouk

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PROFESSIONAL EXPERIENCE

Neoxam, Tunisia   Feb 2025 – Jul 2025 & Jul 2024 – Aug 2024

Full-Stack Developer & ML Intern

Technologies: Angular, Spring Boot, Python (scikit-learn), Flask, MySQL, Docker, Chart.js, Jenkins

- Pioneered a full-stack ticket management and visualization platform using Angular and Spring Boot.
- Built and enhanced RESTful APIs with advanced features such as audit logging and historical ticket tracking for Jira integration.
- Engineered a machine learning model with Flask and scikit-learn to recommend optimal assignees based on ticket attributes, priority, and module history, reducing manual assignment time by ~60% and improving decision accuracy.
- Spearheaded the development of automated pipelines for Jira data extraction, achieving a 50% reduction in manual data handling, which enabled the analytics team to focus on insights rather than data gathering.
- Crafted real-time dashboards with Chart.js to monitor team productivity, ticket distribution, and KPIs.
- Containerized services with Docker and orchestrated robust CI/CD pipelines via Jenkins, integrating SonarQube for code quality assurance.

Digital Power Consulting, Tunisia   Jun 2023 – Aug 2023

Web Developer Intern

Technologies: Angular, Spring Boot

- Developed and optimized responsive Angular interfaces for a restaurant review platform, supporting user feedback and rating features.
- Created Spring Boot APIs for secure and efficient data handling of restaurant evaluations and user input.

FCIT, Tunisia   Feb 2022 – May 2022

Web Developer Intern

Technologies: Python, MEAN Stack (MongoDB, Express.js, Angular, Node.js)

- Implemented a full-stack educational platform for test-taking and adaptive training paths using the MEAN stack.
- Developed Python web scrapers to collect and structure exam data from public sources, eliminating manual searches and reducing data collection time by ~70%.
- Delivered Angular-based UIs to support testing and performance tracking.

Deepera.AI, Tunisia   Jul 2021 – Aug 2021

Web Developer Intern

Technologies: Python, Angular

- Engineered Python-based web scraping scripts to collect real-time financial data from the Bourse of Tunisia and aggregate the latest financial news, eliminating manual data collection and reducing processing time by ~70%.
- Designed and delivered interactive Angular dashboards for visualizing market data and financial news, ensuring a user-friendly and data-driven experience.

EDUCATION

Private Higher School of Engineering and Technology (ESPRIT), Tunisia   2022 – 2025

Engineering Degree in Computer Science Ranked 1st in class(1st year), 2nd in class (2nd & 3rd year)

Higher Institute of Information and Communication Technologies (ISTIC),Tunisia 2019 –2022

Bachelor's degree in computer science Ranked 3rd across the university (1st year)