Mohamed Amine SAIDANI

(+216) 52 701 636
github.com/saidaniamine12
saidaniamine12.github.io/portfolio/
linkedin.com/in/mohamed-amine-saidani
mohamedamine.saidani@eniso.u-sousse.tn

ICT Engineer with a strong background in software development, seeking opportunities to apply my skills in designing and implementing innovative solutions. For more details, please view my portfolio.

EDUCATION

Telecommunications Engineering, *National School of Engineers of Sousse*   2021-2024
Preparatory studies, *El-manar Engineering Preparatory Institute*   2018 - 2021

TECHNICAL EXPERIENCE

Sofrecom   **Tunis, Tunisia**
End of Studies Internship (Tools: ReactJS, GraphQL, NestJS, MongoDB, GrapesJS)   *Feb 2024 – Jul 2024*

- Designed and developed a no-code platform for creating websites and small applications, enabling non-technical users to build solutions without coding expertise.
- Integrated a drag-and-drop editor with a comprehensive set of pre-built components, streamlining the design process and enhancing user experience.
- Implemented real-time collaboration features, allowing multiple users to work on projects simultaneously, improving teamwork and productivity.

VERMEG   **Tunis, Tunisia**
Engineering Internship (Tools: PyTorch, Milvus, Spring, Angular, PostgreSQL)   *Summer 2023*

- Developed a search engine solution using NLP techniques to enable semantic search on the company's Jira tickets, improving issue retrieval efficiency.
- Integrated the search engine into a web application with robust security measures and a user-friendly interface, ensuring seamless usability for end users.

3D-Wave   **Sousse, Tunisia**
Summer Internship (Tools: Python, Django, Firebase)   *Jun 2022 – Jul 2022*

- Developed ETL pipelines using Python to extract, transform, and load ECG and heart rate (HR) data, enabling efficient data preprocessing for stress prediction models.
- Designed and implemented a data integration solution on a Django server, deploying a machine learning model as a service to process transformed data and provide real-time stress level insights for end users.

PROJECTS

IoT Data Collection (Tools: Raspberry Pi, Kafka, MongoDB, Elasticsearch, Grafana, Azure)   Mar 2023

- Developed an IoT data collection pipeline to extract sensor data using Raspberry Pi, stream it via Kafka, and store it in MongoDB, all deployed on Azure Cloud.
- Designed and implemented real-time data visualization dashboards with Grafana, enabling efficient monitoring and analysis of sensor metrics.

French Tacos App (Tools: Java, Spring Boot, Angular, MySQL)   Dec 2022

- Developed a robust back-end with Spring Boot and MySQL to manage user requests, process orders, and ensure reliable data storage and performance.
- Designed a dynamic and responsive front-end using Angular, providing an intuitive taco customization and ordering experience for users.
- Implemented real-time order management features, enhancing operational efficiency and user satisfaction.

Book Exchange Platform (Tools: Node.js, Express, Angular, MongoDB, TypeScript, Socket.io)   Dec 2021

- Built a book exchange platform using the MEAN stack, allowing users to post, borrow, and trade books with others.
- Developed a real-time messaging system using Socket.io to enable seamless communication between users.
- Created an interactive and functional user interface with Angular, paired with efficient database management using MongoDB for scalability.

SKILLS

Tools	Spring, NestJS, MySQL, Orcale DB, PostgreSQL, GraphQL, Elastic stack, ReactJS, Angular, Kafka, NodeJS, Docker, Git, LaTeX
Languages	Java, Python, JavaScript, HTML, CSS
Communication	English, French, Arabic

CERTIFICATES

CKAD: Certified Kubernetes Application Developer, KodeKloud	Jan. 2024
Advanced Golang, KodeKloud	Jan. 2024
TOEIC certification - score 845, ETS	Dec. 2023
AZ-900: Microsoft Azure Fundamentals, Microsoft	may. 2022
Relational Database Administration (DBA), IBM	Sep. 2022
ETL and Data Pipelines with Shell, Airflow and Kafka, IBM	Sep. 2022