

HAMZA JEMAA

WEB & IA DEVELOPER

Engineering student specializing in Computer Science and Multimedia with strong foundations in web development, Business Intelligence (BI), DevOps, and UX/UI design. Led and collaborated on multiple projects, assuming responsibility for building secure, scalable, and user-centric solutions. Actively interacts with cross-functional teams to deliver innovative and efficient digital products.

Hamzajema



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hamzajema.github.io



EDUCATION

2027

Engineering Degree in Computer Science and Multimedia

ISAM, University of Manouba

2024

Bachelor's in Business Computing (BI)

FSEGT Manar University

2021

Baccalaureate in Mathematics

SKILLS & TECH

• Programming Languages:

- HTML5, CSS3, JavaScript (Angular, Vue JS 3), TypeScript, SQL, NoSQL, Java/JEE, C, VB.net, PHP, Python

• Frameworks & Libraries:

- Flask, Express.js, Node.js, Bootstrap

• BI Tools & Databases:

- Power BI, IBM SPSS, SSMS, SSIS, SSAS, Oracle, MongoDB

• Big Data, Cloud & Security:

- Apache Kafka, Keycloak, Docker

• Design: Figma, Balsamic

LANGUAGES

- French
- English
- German

PROFESSIONAL EXPERIENCE

LION EDITOR – CREATOR & FULL-STACK DEVELOPER

2025 – PRESENT | PYTHON, FLASK, ANGULAR, NODE.JS, LXD, KEYCLOAK, AI APIS

- Led the development of Lion Editor, an online Python IDE enabling users to write, save, and execute Python code inside secure LXD containers.
- Assumed responsibility for integrating AI assistance to help users generate, correct, and explain code based on text or voice commands.
- Interacted with GitHub and Anaconda repositories using web scraping to display up-to-date Python package suggestions.
- Delegated logic modules for voice transcription, package classification, and error analysis to dedicated microservices.
- Assists users in learning by providing instant feedback, execution results, and downloadable coding reports with annotated insights and visualizations.

UPGRADETEK ENGINEERING – BI DEVELOPER

JANUARY 2024 – PRESENT | NODE.JS, EXPRESS, PYTHON, FLASK, ANGULAR, APACHE KAFKA, KEYCLOAK, DOCKER

- Led the development of an end-to-end BI application for banking product management.
- Delegated development tasks among the team to streamline project delivery.
- Assists in integrating Big Data tools (Kafka) to enhance financial forecasting and analytics.

TUNISAIR – WEB DEVELOPMENT INTERN

JUNE 2023 – AUGUST 2023 | FLASK, JS, HTML, CSS, BOOTSTRAP

- Led the creation of a web application that automated the transformation of Excel bank statements into AFB120 format.
- Interacted with finance teams to align technical outputs with operational needs, reducing manual errors.

CROCOCODER – WEB APPLICATION DEVELOPER

MARCH 2023 – MAY 2023 | ANGULAR, NODE.JS, EXPRESS.JS, TYPESCRIPT, BOOTSTRAP

- Designed and built a real-time match tracking application displayed on public-facing platforms.
- Assumed ownership of front-end development, ensuring mobile-first design and high usability.