

Tezeghdenti Mohamed

Full-stack software engineer specialized in artificial intelligence.

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Profile

Full-stack software engineer specialized in artificial intelligence with a strong background in mathematics and engineering. Significant experience in developing web applications and intelligent platforms, with a proven ability to manage complex projects and work effectively in teams.

Areas of Expertise

Full-Stack Development - Machine Learning - Deep Neural Networks - Convolutional Neural Networks - NLP (Natural Language Processing) - Recommendation Systems - LLM(Large Language Models) - Gestion de Projets

Professional Experience

Full-Stack/AI Engineer, (Featway) **Tunis, TUN** 06/2024 - present

- Development and maintenance of a human resource management platform, integrating advanced features for employee management and HR processes.
- Creation of a chatbot using advanced language models (Large Language Models) to enhance user interaction and provide intelligent support.

Internship (Final Year Project), (Featway) **Tunis, TUN** Février 2024 - Juin 2024

- Design and implementation of a CV processing system based on AI models, reducing application processing time by 70 %.
- Creation of recommendation modules using artificial intelligence techniques to enhance the accuracy of recommendations.
- Integration with various recruitment platforms for automatic retrieval of opportunities (web scraping).
- Management of a team of 2 people to successfully execute the project, including planning, task allocation, and progress tracking.

Summer Internship, (Featway) **Tunis, TUN** Juin 2023 - septembre 2023

- Development of a full-stack web application for human resource management using Angular for the front-end and Spring Boot for the back-end.
- Design of the application's architecture and integration of necessary features for managing employees, leave, and performance.

Summer Internship, (Featway) **Tunis, TUN** Juin 2023 - septembre 2023

- Development of a web application for the processing and management of bank statements.

Education

TUNISIA *National School of Computer Science (ENSI)* 2021-2024

At the National School of Computer Science (ENSI), I studied various courses covering essential areas of computer science, including computer networks, embedded systems, signal processing, algorithms and data structures, and complexity. I also deepened my knowledge in software engineering, databases, artificial intelligence, statistics, and business intelligence.

Preparatory Cycle for Engineering Studies (MP) IPEIB **TUNISIA** 2019-2021

During my intensive preparatory cycle at IPEIB, I studied advanced mathematics, including algebraic structures, integral calculus, numerical series, and topology. I also deepened my knowledge in classical and modern physics while exploring other essential subjects.

Baccalaureate in Mathematics Tataouine 1 High School **TUNISIA** 2019

During the baccalaureate, I studied mathematics, physics, computer science, and other subjects.

Certifications

- Introduction to Generative AI (Mar. 2024) - [Google](#)
- Fine Tune BERT for Text Classification with TensorFlow (Feb. 2024) - [Coursera](#)
- Structuring Machine Learning Projects (Oct. 2023) - [DeepLearning.AI](#)
- Getting Started with Git and GitHub (Oct. 2023) - [IBM](#)
- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization (Oct. 2023) - [DeepLearning.AI](#)
- Introduction to Cloud Computing (Oct. 2023) - [IBM](#)
- Introduction to DevOps (Oct. 2023) - [IBM](#)
- Neural Networks and Deep Learning (Sep. 2023) - [DeepLearning.AI](#)
- Linear Regression with NumPy and Python (Juin. 20223) - [Coursera](#)
- Create Your First Web App with Python and Flask, (Avr. 2023) - [Coursera](#)
- Les Expressions Lambda et Java (Avr. 2023) - [Coursera](#)

Skills

- **Programming Languages:** Python, Java, javascript, C, C++, typescript
- **Technologies:** Angular, Spring boot, Flask, Selenium
- **Web Development:** Full-Stack, Front-End, Back-End
- **Artificial Intelligence:** NLP, CNN, Deep Neural Network, Machine learning, LLM, Computer vision
- **Databases:** MySQL, MongoDB

Projects

CV Processing Platform ([Featway](#))

Fév 2024 - Juin 2024

- Development of an intelligent platform for CV processing and recommendation.

Creation of a Chatbot,

Février 2024

- Development of a chatbot using a large language model to enhance user interaction and provide intelligent support.

Platform Scraping

Juin 2024

- Development of a scraping system to extract data from freelance-informatique.fr, turnover-it, and free-work.com, allowing for the collection and analysis of information on job opportunities and freelancer profiles.

Languages

- **Arabic** Native language
- **English** Good level
- **French** Good level (B2)