BILAL EL HAMMOUCHI

AI and Data Science MSc Student

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SUMMARY

As a dedicated Data Science and AI Masters student, I am deeply passionate about computer science and thrive on the challenges and creativity that come with it. I possess a strong foundation in data science and artificial intelligence, complemented by hands-on experience in various projects. My enthusiasm for tackling complex problems and my commitment to continuous learning drive my pursuit of excellence in the field.

EXPERIENCE & ACCOMPLISHMENTS

Freelancer: Worked on dozens of projects as a software engineer, developing solutions to real life problems for clients all around the world on the Fiverr platform.

Hackathon: First place winner of a Hackathon organized by Orbicall in collaboration with the Multidisciplinary Faculty of Nador.

Club I2A: A board member of the club I2A representing the role of secretary.

PROJECTS

Mobile App **Project Legolingo** private repository
Collaborated in a team of three on the development of a mobile application project, utilizing the power of OpenAI's GPT-3.5 Turbo API. The application is designed to assist users in improving their language skills through activities such as topic-based reading, vocabulary testing, auditory comprehension exercises, and writing skill assessments. Contributed to the project's success by actively participating in a collaborative effort to integrate advanced AI technologies into a user-friendly language-learning experience.

Desktop App **Project Crowd Analysis** https://github.com/GoldenDovah/Crowd-Analysis-GUI
Contributed to the enhancement of a desktop application by forking an existing repository utilizing YOLO and deepSort for suspicious activity detection in camera footage. Implemented a user-friendly graphical interface using customtkinter and integrated a robust alarm system, allowing for customizable alerts through sound, text messages, or phone calls. Played a key role in the project's evolution, combining technical proficiency with practical solutions to bolster its overall functionality and user experience.

Web App **Project Research Laboratory Management** https://github.com/GoldenDovah/spring-lab-management
Spearheaded the entire lifecycle of a web application utilizing Java and the Spring Framework. Developed the application's functionality for streamlined management of research projects, laboratory members, publications, and resources within a laboratory context. Leveraged Hibernate for data persistence, MySQL as the database, and Thymeleaf as the template engine. This project underscores my capacity to deliver comprehensive solutions that facilitate efficient collaboration among laboratory stakeholders.

EDUCATION

2022 - 2024	**Master of Science** Data Science and Intelligent Systems	**Mohammed First University**
2019 - 2022	**Bachelor of Science** Mathematics and Computer Science	**Mohammed First University**
2018 - 2019	**Goethe-Zertifikat B1** German Language Teaching Center	**Idiga Language Center**
2015 - 2018	**High School Diploma** Life and Earth Sciences	**Secondary Ibn al-Haytham**

SKILLS

Languages: Python, Dart, Java, SQL, PHP, C, JavaScript.

Frameworks: numpy, pandas, tensorflow, keras, pytorch, matplotlib, plotly, flutter, firebase, spring, tkinter

Software: Word, PowerPoint, Excel, VS Code, LaTeX, Photoshop, After Effects, Capcut

Database Systems: MySQL, SQLite, NoSQL, Firestore, Oracle, Access

LANGUAGES

English - Fluent, **French** - Advanced, **German** Conversational, **Arabic** Bilingual, **Tamazight** Native