# Hamza Taourirt

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## SUMMARY

Result driven Machine Learning Engineer specializing in developing custom AI solutions. I possess a solid understanding of data structures and full-stack integration, successfully embedding models into broader web and enterprise applications. I thrive in complex, challenging situations where translating client needs into production-ready, scalable solutions is paramount.

## EXPERIENCE

### Freelance Programmer

**Fiverr**                                                                 **May 2023 – Present,  Algiers**

· Full stack web development using multiple Frameworks and technologies.
· Building functional AI component or API endpoint built with any kind of framework.
· Fully customized, production-grade AI feature, ready for immediate integration into a platform.

### Data Scientist

**CERIST**                                                        **September 2024 – July 2025,  Algiers**

· Train a 3DCNN model for the classification of Neuro-degenerative diseases (Alzheimer's, Parkinson's ...etc.). It first classifies the type then the stage.
· Participate in the development of a desktop GUI (NEURODET). I programmed the MRI imagery visualizer,  the database management system for the patients and the authentication system.
· Deployed the desktop app using Docker Kubernetes and Firebase.
· Integrated continuous deployment pipelines leveraging container orchestration tools to streamline application rollout and automate scalability across diverse computing environments.

### Technical ESL Instructor

**Algiers University 1**                                              **October 2018 – June 2025,  Algiers**

· Provided technical English coaching to professionals of different sectors such as Software engineers, Aerospace engineers, Auditors..etc.
· Prepared a tailored syllabus after a careful needs analysis.
· Designed efficient testing materials for the continuous assessment of learners.
· Interviewed learners for placement assessments and oral pronunciation needs.

## PROJECTS

### Regulatory Compliance and Reporting financial app

Personal project · github.com/hamza-coding-usthb/financeApp-dashboard.git · October 2024 – September 2025
· React-Native App for auditing professionals that aims at leveraging AI NLP tools for the analysis of financial documents.

### Medium clone with AI features

Personal project · github.com/hamza-coding-usthb/mediumClone.git · June 2025 – July 2025
· A clone site to the Medium website with enhanced AI features such as proofreading, categorizing and content generation.

### Ai Teacher Assistant

Personal Project · https://github.com/hamza-coding-usthb/QuizzApp · February 2025 – May 2025
· Django web app and AI powered using Ollama and Longchain able to generate learning texts quizzes and marking them.

## EDUCATION

### Master's of engineering in Intelligent computer systems

University of science and technology Houari Boumediene · Algiers · 2025

### Bachelor of Computer science

University of science and technology Houari Boumediene · Algiers · 2023

### Master's in English language education

University of Algiers 2 · Algiers · 2018

### Bachelor of linguistics

University of Algiers 2 · Algiers · 2013

## SKILLS

**Backend**: Python, Django, REST Framework, Node.js, Laravel
**Frontend** JavaScript (ES6+), React, HTML5, CSS3, Tailwind CSS, Bootstrap
**Databases**: PostgreSQL, MySQL, SQLite, Firebase Firestore, Oracle
**DevOps/Tools**: Git, GitHub, Docker, Firebase Hosting, Linux
**ML/Data Science**: Pytorch, Panda, Numpy, Tensorflow, LongChain, Ollama
**Soft skills**: Team building activities, Self-motivation, Pressure tolerance
**Language skills**: English, French, Arabic, Spanish