

RAMY LAZGHAB

AI and Data Science enthusiast

ramy.lazghab@dauphine.tn | Phone: +21651483316 | Portfolio: <https://rblaze23.github.io/Portfolio/>

GitHub: Rblaze23 | LinkedIn: <https://www.linkedin.com/in/ramy-lazghab-1464a8201/>

PROFILE

Motivated and detail-oriented Master's student in Big Data and Artificial Intelligence at Dauphine Paris | Tunis with a strong foundation in software engineering and data science. Experienced in developing machine learning models, working with big data tools, and building full-stack applications. Passionate about AI for social impact and committed to continuous learning. Looking for internship opportunities where I can apply my technical skills and contribute to innovative projects.

TECHNICAL SKILLS

Languages

Python, Java, C, R, JavaScript

Frameworks & Tools

Django REST, React, Flutter, Docker, VSCode, Git, Jupyter, CI/CD

Data Science

Pandas, NumPy, scikit-learn, Matplotlib, Seaborn, Word2Vec, NLP

Databases

PostgreSQL, SQL

LANGUAGES

English

IELTS

French

EDUCATION

Master's in Big Data & Artificial Intelligence, *Université Paris Dauphine | Tunis* 09/2024 – Present

Bachelor's Degree in Computer Engineering, *Faculty of Sciences of Tunis* 09/2021 – 06/2024

Computer science baccalaureate, *High School Mahmoud Messadi* 09/2018 – 06/2021

PROFESSIONAL EXPERIENCE

Software Developer Intern, *Infinity Management* 02/2024 – 06/2024

- Developed a blended-learning platform supporting online/offline training.
- Implemented dynamic course unlocking, test-based enrollment, and sentiment analysis using NLP.
- Integrated enterprise evaluation systems and learner progress tracking.
- Technologies: React, Django REST, Docker, Python, Git, CI/CD

Web Developer Intern, *Centre National d'Informatique (CNI)* 06/2023 – 06/2023

- Designed a web app for client registration and data management.
- Integrated database with export features for admin and analysis needs.
- Technologies: PHP, HTML, CSS

PROJECT EXPERIENCE

House Price Prediction – Kaggle Competition

- Built regression models to predict house prices using advanced feature engineering.
- Applied ensemble learning (XGBoost, CATBoost, Lightgbm), cross-validation, and hyperparameter tuning.
- Tools: Python, scikit-learn, Pandas, XGBoost

Diabetes Prediction System

- Developed a classification model to detect diabetes based on health metrics.
- Compared Logistic Regression, Decision Trees, and SVM with evaluation metrics.
- Tools: Python, scikit-learn, Matplotlib

MoodSync – AI Platform for Psychologists

Winner – Hack for Good Hackathon

- Developed a real-time therapeutic assistant platform to support psychologists during patient sessions.
- Integrated **speech emotion recognition** to detect patient mood and assist in diagnosis.
- Implemented a **smart note-taking feature** that generates session summaries every 30 seconds.
- Synced with IoT devices to **dynamically change LED room lighting** based on the patient's emotions, enhancing relaxation.
- Deployed the application using **Streamlit** for a fast, interactive, and intuitive frontend interface.
- **Tech Stack:** Python, Streamlit, Speech-to-Text, Sentiment Analysis (NLP), IoT (LED Control), REST API, **multisensory AI integration**.

Career Satisfaction & Job Alignment Analysis

- Applied PCA on survey data to analyze the relationship between academic background and career satisfaction.
- Visualized socio-economic correlations and factors impacting employment trends.

Startup Investment Recommendation Tool

- Scraped startup data from AngelList and applied NLP techniques (Word2Vec) to evaluate startup potential.
- Built a recommendation system based on growth, revenue, and domain analysis.
- Tools: Python, Selenium, Pandas, Word2Vec

CERTIFICATIONS & COMPETITIONS

Hack for Good

Hack for Good – Winner for AI-powered mental health solution

IEEEExtreme

IEEEExtreme 15.0 & 16.0 Global Coding Competitor

Python Certificate

SoloLearn Python Core Certificate

EXTRACURRICULAR & LEADERSHIP

ITLAB, Member

Participating in AI projects and collaborative learning

10/2024 – 06/2025

IEEE, Member

Led workshops and hackathons on AI and innovation

09/2021 – 08/2024

AIESEC, Member

Participated in global initiatives enhancing leadership and communication

01/2022 – 01/2023