

Abdelilah Elgallati

Data Science & Machine Learning

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Professional Summary

Graduate student pursuing dual Master's degrees in **Data Science** (USMBA, Fez) and **Business Intelligence and Data Engineering** (Sorbonne Paris Nord). Passionate about **Data Science** and **Machine Learning**, with solid experience in **web development** and **data modeling**. Seeking an **end-of-study internship** to apply my skills in **Python** and **machine learning** to innovative projects.

Education

Master 2, Business Intelligence and Data Engineering (EIDD) 2025 – 2026

Sorbonne Paris Nord University (France)

Distance learning program in partnership with Sidi Mohamed Ben Abdellah University as part of a dual degree program.

Master's Degree, Web Intelligence and Data Science (WISD) 2024 – 2026

Sidi Mohamed Ben Abdellah University, Fez (Morocco)

Specialization in machine learning, data analysis, and intelligent systems.

Professional Bachelor's Degree, Information Systems and Software Engineering 2023 – 2024

Higher School of Technology, Essaouira

University Diploma of Technology, Computer Engineering 2021 – 2023

Higher School of Technology, Essaouira

Professional Experience

Web Developer Intern 04/2024 – 05/2024

Big4Com, Marrakech

MyInvoice is a full-stack web app automating invoice creation and management for small businesses and freelancers. It offers a user-friendly interface with client management, product/service lists, and invoice history features.

Web Developer Intern 04/2023 – 05/2023

Big4Com, Marrakech

Developed a web application for a travel agency to manage travel offers, bookings, clients, and destinations. It enables customers to browse packages and book trips, while admins handle tours, client data, and content.

Web Developer Intern 06/2022

Province of Essaouira

Developed a web-based application to streamline employee management for a provincial organization. It offers admins a user-friendly interface to manage employee data, attendance, and HR tasks, enhancing operational efficiency.

Academic and Personal Projects

Movie Recommendation System Developed a content-based movie recommendation engine using Python and modern web technologies. The system suggests films similar to a user-selected movie, based on metadata such as genres, keywords, cast, and crew.

Robust Sentiment Analysis under Adversarial Textual Attacks Designed and implemented a sentiment-analysis system that is robust to adversarial text perturbations. The project explores techniques for defending NLP models against malicious input manipulations (i.e. adversarial attacks) that aim to fool sentiment classifiers, while preserving semantic meaning and textual coherence.

Anime Ratings Analysis Recommender System Analyzed anime ratings data to uncover patterns, insights, and to build a recommendation engine that suggests anime based on user preferences. The project combines data analysis, exploratory data visualisation, and recommender-system techniques to help users discover new anime based on ratings and similarity.

Technical Skills

- **Data Science:** Python, Scikit-learn, TensorFlow, Keras, Pandas, NumPy, NLP, Visualization, Statistical Analysis
- **Programming Languages:** Python, JavaScript, PHP, Java, C/C++, HTML5, CSS3
- **Frameworks:** React.js, Node.js, Express.js, Laravel, Bootstrap
- **Databases:** MySQL, PostgreSQL, MongoDB, Oracle SQL
- **Tools and Methodologies:** Git, Docker, VS Code, REST API, Agile/Scrum Methods
- **Languages:** French (fluent), English (professional), Arabic (native)