



# Muhammed John

MS student in Data Science and AI Engineering

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## Professional Summary

Motivated 3rd-year **Data Science and AI Engineering** student at ENSAF with a focus on data-driven solutions and innovative tech. **Experienced Frontend Developer** fluent in **English**, with conversational **French** and beginner Spanish. Currently General Secretary of **GASAM** (2024/2025), building leadership and organizational skills. Skilled in Canva, with strong communication and teamwork abilities.

## Professional Experience and Top Projects

### Regression Project

House Price Prediction  
Built: Feb 2025

Developed a house price prediction model using machine learning, incorporating data preprocessing, feature engineering, and hyperparameter tuning with GridSearchCV. Built a Flask backend for predictions and a responsive frontend with HTML, CSS, and JavaScript.

### Analyst Dashboard

Road Accident Dashboard  
Built: April 2025

Created an interactive Excel dashboard analyzing UK road accident data (2021–2022), highlighting casualties by severity, vehicle type, road type, and conditions. Enabled monthly trend comparison and dynamic filtering for location, date, and surface conditions.

### My Portfolio

The John Archive  
Built: Jan 2025

Designed and deployed a responsive portfolio website using HTML, CSS, and JavaScript to showcase my skills, projects, and professional journey. Features include About Me, Education, Skills, Projects, Certificates, and Contact sections, with a focus on Data Science, AI Engineering, and Frontend Development

### GASAM

Secretary General  
2024 - Present

GASAM (Gambia Students Association in Morocco) is a student-led organization that supports Gambian students in Morocco through academic, social, and cultural initiatives. It provides networking, career guidance, and development opportunities while fostering a strong student community.

## Education

### High School Diploma

Nusrat Senior Secondary School  
2018 - 2021

**Nusrat Senior Secondary School** is a well-known educational institution located in The Gambia. It is one of the leading secondary schools in the country, recognized for its academic excellence and strong emphasis on discipline and student development.

### MS in Data Science and AI Eng.

National School of Applied  
Science of Fes, Morocco  
2022 - Present

The **National School of Applied Sciences** of Fes is a prestigious Moroccan engineering school that is part of the Université Sidi Mohamed Ben Abdellah. Located in Fes, Morocco, It is one of the National Schools of Applied Sciences that are spread across the country, specializing in engineering education and scientific research.

## Skills

- Strong background in Statistics and Mathematics
- Database Design
- Data Manipulation and Visualization
- Python, R, SQL, C, C++, Java, JavaScript
- Advanced Excel
- Front-End Development: HTML, CSS and JavaScript
- Languages: English, French and Spanish

## Certification

- Introduction to Data Literacy from DataCamp
- Generative AI Concepts from DataCamp
- Database Design from Oracle Academy
- SQL from Oracle Academy and HackerRank
- Machine Learning and Feature Engineering from Kaggle
- Data Cleaning from Kaggle
- Pandas from Kaggle
- Python from HackerRank and Kaggle
- Software Engineer Intern Role from HackerRank
- JavaScript Algorithms and Data Structures from freeCodeCamp
- Responsive Web Design from freeCodeCamp