

Mohammed Idriss

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[LinkedIn](#) | [GitHub](#) | [HyperioDev Portfolio](#) | [Technical Portfolio](#)

Professional Summary

Full-Stack Engineer and AI/ML Specialist with experience building intelligent, data-driven systems. Skilled in Python, machine learning, data preprocessing, and cloud-based deployments. Adept at integrating AI applications into scalable systems and web platforms, with strong problem-solving, analytical, and technical operations expertise. Passionate about leveraging AI to deliver practical business impact.

Experience

Web System Administrator / Entrepreneur

Self-Employed, Manchester, UK | Jul 2019 – Nov 2023

- Managed and maintained corporate websites, ensuring uptime, security, and smooth functionality.
- Automated data handling and feature extraction using Python and MySQL, supporting operational workflows and analytics.
- Implemented security measures including IP access roles, vulnerability scanning, and log analysis.
- Built full-stack applications integrating data pipelines, AI-driven analytics, and deployment-ready solutions.

Key Achievements:

- Designed and deployed secure web systems leveraging AI/ML to generate actionable insights.
- Implemented cloud-based monitoring and automation, enhancing system performance and reliability.
- Delivered individual projects demonstrating practical application of AI, data processing, and scalable software solutions.

Education

Software Engineering Bootcamp

HyperionDev

- Intensive curriculum covering Python, Object-Oriented Programming, Git, GitHub collaboration, Capstone Projects, and applied computer science.
- Developed individual projects focused on algorithmic problem-solving, data manipulation, and software deployment workflows.
- Skills: Python, OOP, Git, GitHub, Data Wrangling, Problem Solving, Time Management

MEng, Communication Engineering

Queen Mary University of London | Sep 2009 – Jul 2015

- Final Year Project: Open proxy honeypot on Ubuntu using Python & Bash; monitored hacker behaviours, geolocated attackers, and deployed on AWS (EC2, IAM).
- Skills: Python, Bash, Java, C, Cybersecurity, Log Analysis, Threat Monitoring, Cloud (AWS EC2/IAM), Networking & Protocols, System Design & Scalability

Foundation Degree, Engineering

Sheffield Hallam University | Sep 2008 – Jul 2009

- Student Representative & Union Liaison; strengthened leadership, communication, and problem-solving skills.
- Skills: Laboratory & Practical Engineering, Team Leadership, Communication & Collaboration

Technical Skills

- **Programming & AI/ML:** Python, NLP, Data Analysis & Visualization, Feature Engineering, Model Evaluation
- **Full-Stack Development:** React, Next.js, Node.js, Django, Flask
- **Cloud & Systems:** AWS, DevOps, CI/CD, Microservices, Model Deployment
- **Web Operations & Security:** Responsive Web Design, System Administration, Log Analysis, SEO

Portfolio Highlights

- Developed a personal technical portfolio website showcasing AI/ML and web development projects.
- Projects include a Cloud AI Assistant with natural language processing and secure communication systems.

Additional Information

- Full UK Clean Driving License.
- Passionate about continuous learning in AI, machine learning, and emerging tech.

References: Available upon request.