Yonis Hassan

Python/ML Developer | Physics & Data Science Graduate

Based in London | 07464095819 | yonishassan267@gmail.com | LinkedIn | GitHub | Portfolio

Profile: Results-driven Python/ML Developer with a proven record of delivering AI solutions achieving up to 98.8% accuracy and building robust programs and applications. Skilled at translating complex requirements into scalable, impactful technology solutions.

Education:
- **Queen Mary University of London** — BSc Physics and Data Science
- **A-Levels & GCSEs** — 3 A-levels & 11 GCSEs (grades 9–5, including English & Maths)

Technical Skills:

Programming: Python, SQL, JavaScript, C++, Rust | **Frameworks & Libraries:** Scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib, Jupyter notebooks, PySpark, PyTorch | **Data & Tools:** Power BI, RESTful APIs, Kubernetes, Docker, DevOps | **Cloud & Databases:** AWS (Basics), PostgreSQL

Certifications:
- **Deep Learning with Keras and TensorFlow** — IBM (Aug 2025) **Skills:** Artificial Neural Networks, Deep Learning, PyTorch, TensorFlow, Predictive Modeling, Regression Analysis, Probability & Statistics
- **Microsoft Azure Certification** — Microsoft (Aug 2025) **Skills:** Cloud Services, Cloud Security, IaaS, Infrastructure as Code (IaC), System Monitoring, Scalability
- **Version Control with Git** — Atlassian (Aug 2025) **Skills:** GitHub, Git, GitLab, Bitbucket, Configuration Management, Collaborative Software
- **AWS Certified Cloud Practitioner** — Amazon Web Services (Expected 2025) Skills: AWS Fundamentals, Cloud Architecture, EC2, S3, IAM, Security, Deployment

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Experience:

Infosys | London | *Data Science Intern* | 06/2025 – 08/2025 (3 Month Contract)
- Engineered and deployed ML models and ETL pipelines for 1M+ council records, reducing insight generation time by 45%.
- Built prototypes with Python, RESTful APIs, SQL, and cloud tools for scalable analytics solutions.
- Collaborated with engineers, statisticians, and policy experts to deliver impactful data-driven projects.

Black Sun Ltd | London *Project Assistant* | 12/2024 – 03/2025 (Contract)
- Applied data validation to review 200+ corporate reports, ensuring 100% compliance with stakeholder requirements.
- Analysed sustainability and ESG datasets to support FTSE 100 client reports.
- Implemented process improvements that cut review turnaround by 20%.

Outlier | London *AI Trainer* | 10/2024 – Present
- Solved and fact-checked 500+ complex mathematical and algorithmic problems to train and fine-tune LLMs for enhanced reasoning.
- Audited AI outputs with Python evaluation scripts, achieving >98% mathematical accuracy.
- Systematized interpretability workflows using SHAP and LIME for the data science team, facilitating clearer understanding of model decisions; tool is now used by 15+ data scientists.

Electronic Arts | London *Software Engineering Virtual Experience (Forage)* | 12/2023
- Proposed and documented a Sims 4 feature with C++ class architecture.
- Integrated optimised data structures, improving feature execution by 30%.

Upwork | London *Freelance Web Developer* | 03/2020 – 09/2022
- Delivered 15+ custom websites using Python (flask,django), JavaScript, and database-backed systems.
- Built data-driven dashboards with APIs and SQL for real-time client analytics.
- Maintained 5-star client ratings through reliable, scalable solutions.

Preston Road Library | London *Library Assistant (Part-Time)* | 01/2022 – 08/2022
- Managed and updated 50,000+ item digital catalogue, improving search accuracy by 25%.
- Produced borrowing trend reports to inform budget allocation.
- Supported 100+ patrons daily with research and technical queries.