Yonis Hassan
Python/ML Developer | Physics & Data Science Graduate
Based in London | 07464095819 | yonishassan267@gmail.com | LinkedIn | GitHub | Portfolio

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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.

Core Competencies: Machine Learning, Data Analysis, Statistical Analysis, Time Series Analysis, Data Visualization, Business Intelligence, Predictive Analytics, Data Mining, Database Management, Excel, R, Reporting, Data Entry, ETL Processes, Dashboard Development, Python Programming, SQL Queries

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Education:
- Queen Mary University of London — BSc Physics and Data Science 2021 - 2025
- A-Levels & GCSEs — 3 A-levels & 11 GCSEs (grades 9-5, including English & Maths)

Certifications:
- Deep Learning with Keras and TensorFlow — IBM (08/2025) Skills: Artificial Neural Networks, Deep Learning, PyTorch, TensorFlow, Predictive Modeling, Regression Analysis, Probability & Statistics
- Microsoft Azure Certification — Microsoft (08/2025) Skills: Cloud Services, Cloud Security, IaaS, Infrastructure as Code, System Monitoring, Scalability
- Version Control with Git — Atlassian (08/2025) 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

Technical Skills:

Programming: Python, SQL, JavaScript, C++, Rust Skills: Object-oriented programming, scripting, automation, data manipulation, statistical computing, web development

Frameworks & Libraries: Scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib, Jupyter notebooks, PySpark, PyTorch Skills: Machine learning model development, deep learning, data processing, statistical analysis, data visualization, big data processing

Data & Tools: Power BI, RESTful APIs, Kubernetes, Docker, DevOps Skills: Business intelligence, dashboard creation, API integration, containerization, orchestration, CI/CD pipelines, data visualization

Cloud & Databases: AWS, PostgreSQL, Database Management Skills: Cloud computing, database design, query optimization, data warehousing, ETL processes, scalable architecture

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Experience:

Infosys | London | Data Science Intern | 06/2025 – 08/2025 (3 Month Contract)
- Engineered and deployed machine learning 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
- Applied time series analysis and forecasting models to support predictive analytics and trend analysis initiatives

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
- Analyzed sustainability and ESG datasets to support FTSE 100 client reports using Excel and statistical methods
- Implemented process improvements that cut review turnaround by 20%
- Created data visualizations and reporting dashboards for stakeholder presentations

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 over 98% mathematical accuracy through statistical analysis
- Systematized interpretability workflows using SHAP and LIME for the data science team, facilitating clearer understanding of model decisions
- Developed evaluation tools now used by 15+ data scientists for machine learning model assessment

Electronic Arts | London | Software Engineering Virtual Experience | 12/2023
- Proposed and documented a Sims 4 feature with C++ class architecture and database integration
- Integrated optimized data structures, improving feature execution by approximately 30%
- Applied software development best practices and data management principles

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 and business intelligence
- Maintained 5-star client ratings through reliable, scalable solutions and data visualization capabilities
- Performed database management and data entry tasks for various client projects

Preston Road Library | London | Library Assistant (Part-Time) | 01/2022 – 08/2022
- Managed and updated 50,000+ item digital catalogue, improving search accuracy by approximately 25%
- Produced borrowing trend reports using data analysis to inform budget allocation decisions
- Supported 100+ patrons daily with research and technical queries involving database searches
- Maintained accurate data entry and record keeping for library management system