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Work Authorization: Authorized to work in the US without sponsorship

EDUCATION

Middlesex University

London, UK

Bachelor of Science, Information Technology and Business Information Systems

June 2025

GPA: First Class Honors (UK)

Relevant Coursework: Data Analytics & Business Intelligence (data mining, visualization), Strategic Information Systems (IT strategy, digital transformation), Agile (Scrum methodology, iterative development) Technology Innovation Management & Entrepreneurship, IT Solutions Development (system design, implementation)

TECHNICAL SKILLS

Programming Language: Python, JavaScript, HTML, CSS, SQL,

Frameworks: Django, Django REST Framework, React, Pandas, NumPy, Plotly, TensorFlow.js, Matplotlib, Seaborn, Plotly, OpenCV

Tools: Git, GitHub, AWS, Tableau, Power BI, API/ REST, AI Agents / LLM, Agile / Scrum, Excel, TensorFlow, Computer Vision, PostgreSQL, WebRTC

EXPERIENCE

Middlesex University

London, UK

Agile Developer

Sept 2024 – Dec 2024

- Led a cross-functional Agile team of 4 over a 12-week project using Scrum methodology, achieving 100% on-time delivery of sprint milestones.
- Coordinated research, development, and reporting tasks, implementing version control with Git and Agile tools (Trello/Jira) to boost team efficiency by 30%
- Presented results to stakeholders and authored a 40+ page technical report, showcasing leadership, communication, and analytical skills transferable to real-world tech projects.

PROJECTS

AI-Powered Facial Recognition Attendance Management System

Full-Stack ML Web Application | Python, Django, PostgreSQL, AWS Rekognition, LLM, JavaScript, TensorFlow.js

- Architected a cloud-based facial recognition platform managing 1,000+ student records across 15+ classes with 99.9% accuracy using AWS Rekognition, reducing manual attendance by 85% via real-time WebRTC streaming and achieving sub-2s latency with role-based authentication for 25+ faculty.
- Built a GPT-powered analytics engine handling 500+ natural language queries/day at 95% accuracy, featuring multi-turn dialogue, context management, and 30+ optimized REST APIs with sub-200 ms response times.
- Developed predictive analytics using TensorFlow.js, training 8 ML models for time-series forecasting and risk assessment on 10,000+ records, achieving 88% precision in identifying at-risk students and boosting retention engagement by 40%.
- Designed an interactive analytics dashboard with 15+ visualizations (Chart.js/D3.js), AJAX real-time updates, and CSV exports for 5,000+ records, reducing administrative workload by 12 hrs/week across web and mobile.

Nike Data Pipeline, Sales Analysis & BI System

Python, Pandas, NumPy, Plotly, Jupyter, Tableau,

- Engineered an end-to-end ETL pipeline using Python and Pandas processing 2,500+ raw transactions into 2,123 validated records, implementing 10-step data transformation with IQR outlier detection, missing value imputation, achieving 100% data completeness and identifying 1.2M+ in profit optimization opportunities across 6 regions.
- Conducted comprehensive EDA using NumPy, Matplotlib, and Seaborn on 25.9M revenue dataset, performing statistical analysis across 5 product lines and 3 customer segments, uncovering 77.6% seasonal revenue concentration in December, 22.8% loss transaction rate, and regional profit margin disparities ranging from 10.3% to 12.0%.
- Developed interactive Tableau dashboard with 8+ visualizations featuring geographic heatmaps, time-series trend analysis, and drill-down capabilities, enabling real-time KPI monitoring of revenue, profit margins, and AOV across online (49.9%) and retail (50.1%) channels.
- Delivered strategic business recommendations through data-driven insights identifying 884K revenue optimization via AOV standardization, 300K annual savings through 25% discount cap implementation, and 15% customer retention improvement through VIP segmentation and seasonal risk mitigation strategies.