

Jay D

MSc Data Science | Machine Learning | SQL | Certified By JP Morgan, PwC & British Airways

London, UK | +44 7586505948 | jaydugad10@gmail.com | [LinkedIn](#) | [Portfolio](#) | [GitHub](#)

SUMMARY

Data Scientist with nearly 3 years of experience in **Python**, **SQL**, and **machine learning**, with hands-on virtual experience programs completed through **JP Morgan**, **British Airways**, and **PwC**. Holds a **Master's in Data Science** and led an **API integration** project for **TfL**. Recognised in the industry for **strong technical skills**, with a **special recommendation** from Thomas Wood, Director at Fast Data Science.

SKILLS

Technical Tools:

- **Programming Languages:** Python | R | SQL
- **ML Tools:** Scikit-learn, TensorFlow, XGBoost, HuggingFace
- **Cloud & DevOps:** AWS, Docker, Git, GitHub
- **Data Visualisation:** Power BI | Tableau | Matplotlib | Seaborn

Technical Skills: Strong KPI understanding | A/B Testing | Data visualisation | Statistical analysis | Advance analytics | Machine Learning | Data engineering | Data modelling

Professional Skills: Team management | Strategic thinking | Excellent communication skills | Problem-solving | Critical thinking | Collaborative | Cross-functional teamwork | Attention to detail

WORK EXPERIENCE

Fast Data Science

December 2024 - present

Data Scientist

- Deployed a **mental health LLM model** on [Hugging Face Hub](#), resulting in over **135 downloads** within the first month and gaining early adoption from clinical AI researchers
- Enhanced the [Drug Named Entity Recognition](#) pipeline by integrating [OMOP IDs](#), **molecular structure**, and **molecular weight**, improving drug identification accuracy and **structured NLP analysis** for healthcare use
- Managed and **reviewed GitHub pull requests**, reducing **merge times by 25%** and **improving team collaboration** workflows
- Designed and **implemented** automated **community support** in [Discord](#), which improved technical query response time by **approximately 20%**

getCredible

February 2024 - January 2025

Data Analyst (Student Ambassador)

- Analysed **engagement data** using **advanced analytics tools**, leading to a **30% increase** in app adoption through targeted outreach strategies.
- Produced **actionable insights** and **reports** that directly contributed to a **25% improvement** in student satisfaction.
- Led **digital outreach campaigns** across multiple platforms, generating over **50 verified testimonials** from students.
- Created and shared **data-driven** social media **content**, boosting **app engagement and visibility by 40%** within the student community

Sun Micronet

April 2021 - November 2022

Computer Software and Network Support Manager

- Led a **team of 15 interns** to optimise **computer systems and networks** by applying effective troubleshooting methods, resulting in a **30% reduction in downtime**

- Designed and executed a comprehensive **data backup** and **disaster recovery plan** by leveraging advanced software solutions, ensuring **100% business continuity** and reducing potential **data loss by 40%**
- Implemented an **automated ticketing system**, reducing issue **resolution time by 25%**, optimising workflows, and ensuring alignment with **SOWs** and commercial considerations
- Analysed and cleansed **100+ system logs** which resulted in improving **data accuracy by 30%** and streamlining workflows

PROJECTS

[Credit Risk Assessment using Machine Learning \(Scikit-Learn\)](#)

Built an interactive web application for real-time **credit risk assessment**, leveraging **Scikit-Learn**, **Gradient Boosting** and **SHAP**-based explainability to enhance transparency in risk evaluation. Pre-processed **financial data**, optimised model performance using **ROC-AUC**, and provided **visual risk insights** for decision-making.

[Sales Forecasting using Machine Learning \(TensorFlow\)](#)

Developed a predictive sales model using **Linear Regression**, **Random Forest**, **XGBoost**, and **LSTM**, improving **forecast accuracy by 30%** through **time series analysis**, feature engineering, and advanced evaluation metrics like **MSE** and **R²**.

[Amazon Prime Video Dashboard](#)

Created a comprehensive Tableau **visualisation for Amazon Prime Video** by preprocessing data from the website, enabling insightful analysis. By **cleaning** and **analysing the data**, I contributed to a **20% improvement in content recommendation strategies** based on user preferences.

EDUCATION

MSc Data Science

January 2024 - January 2025

Kingston University London

Grade: Distinction

Core Modules: Machine Learning & AI, Data Programming, Database Management, Data Visualisation

Highlight: Developed an [Intrusion Detection System](#) using **Random Forest** and **XGBoost**, achieving **97% accuracy** on a dataset of over **100,000 records**.

Bachelor's degree in computer application

June 2020 - August 2023

B.Y.K College

Core Module: Python, Advanced SQL, Java, Software Testing, Cyber Security, DBMS, RDBMS

Highlight: Led a team of four to build a full-stack **library management system** with **real-time updates** and secure login, reducing **manual tracking by 60%** and improving **efficiency by 40%**.

AWARDS AND RECOGNITIONS

- [Letter of Recommendation](#) from Director of Fast Data Science, 2025
- [Microsoft Badges](#) for Machine Learning Module Assessments, 2024
- [LinkedIn recommendation](#) from previous employers, 2024
- Special [Letter of Recommendation](#) from a previous employer, 2021
- Special [Letter of Recommendation](#) from Vice Principal, 2021

CERTIFICATIONS AND COURSES

- [Power BI Job Simulation for PwC](#) - PwC, December 2024
- [Data Analytics Job Simulation for Quantum](#) - Quantum, November 2024
- [Hands-on Data Science using SQL, Python and Tableau](#) - LinkedIn Learning, November 2024
- [Data Science Job Simulation for British Airways](#) - British Airways, September 2024
- [Excel Skills Job Simulation for JP Morgan](#) - JP Morgan Chase & Co., August 2024