

Jay Dugad

Data Scientist | Machine Learning Specialist | SQL | Data Visualisation Enthusiast | British Computer Society Member | Proven Expertise Certified by JP Morgan, British Airways, Google, AWS & BCG

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

PROFESSIONAL SUMMARY

Driven **Data Scientist** with a solid foundation in **machine learning**, **data analysis**, and **database management**. Spearheaded **predictive modelling** initiatives, driving **data-driven insights** and optimising workflows to enhance **business performance**. Championed **cross-functional collaborations** to deliver actionable solutions, executed **data preprocessing** strategies, and refined **analytical methodologies** for improved decision-making. Integrated **APIs** to enhance **data accessibility** and enable **real-time analytics**, fostering a more responsive decision-making environment.

EDUCATION

Kingston University, London

01/2024 - Present

MSc. Data Science

Related Coursework: Machine Learning, Applied Data Programming, Database Management, Data Visualisation

BYK College, Nashik, India

06/2020 - 08/2023

Bachelors in Computer Application

Related Coursework: Database Management System, Relational Database, Java, Software Testing, Cyber Security

SKILLS

Programming Languages: SQL, Python, C, C++, HTML, CSS

Analytical Tools: Power BI, Tableau, Advanced Excel, Google Sheets

Database: MySQL, Microsoft SQL Server, Oracle Apex

Tools: Jupyter Notebook, Google Colab, Anaconda, Microsoft VS Code, PyCharm, Sublime Text

Technical Skills: Data Manipulation, Data Visualisation, Machine Learning, Deep Learning Techniques, Statistical Analysis, Big Data, Predictive Modelling, API Integration

Soft Skills: Problem solving, Communication Skills, Critical thinking, Attention to detail, Team collaboration

WORK EXPERIENCE

getCredible

Student Ambassador - Data Insights and Engagement

02/2024 - Present

- Evaluated engagement data from over **500 students** to identify key trends, driving a **30% increase in app adoption** through targeted outreach strategies
- Championed app features emphasising career growth opportunities, generating **200+ positive testimonials** from students
- Compiled and presented regular reports on student interactions, leveraging quantitative metrics that **improved student satisfaction by 25%**
- Produced data-driven content across social media, resulting in a **40% increase in app visibility** and engagement within the student community

Sun Micronet

(I) Computer Software and Network Support Manager

06/2021 - 11/2022

- Supervised a team of 15 interns**, optimising computer systems and networks, leading to a **30% reduction in downtime** by implementing effective troubleshooting methods
- Instituted a data backup and disaster recovery plan, ensuring **100% business continuity** during system failures and **reducing potential data loss by 40%**
- Developed and implemented** a streamlined ticketing system that **reduced** issue resolution time by 25%, **enhancing** user satisfaction and optimizing team performance

(II) Intern

04/2021 - 06/2021

- Conducted thorough analyses of over 100 hardware and software issues, **improving resolution time by 30%** and significantly enhancing user satisfaction across departments

- **Refined** data integrity by **analysing and cleansing** over 100 system logs and error reports, **enhancing data accuracy** by 30% and **streamlining departmental workflows** for quicker issue resolution

PROJECTS

Movie Recommendation System

06/2024

- Developed a personalised recommendation system using pandas, Scikit-learn, Streamlit, and NumPy, achieving over 85% recommendation accuracy through machine learning techniques, including vectorisations
- Executed high-dimensional data analysis, aligning suggestions with user preferences across 5,000+ films

Stock Market Price Predictor

02/2024

- Created a tool for predicting stock market prices using **machine learning**, employing libraries such as **yfinance, MinMaxScaler, Keras, and Streamlit** for an interactive data visualisation
- Processed and **analysed 3,000+ historical stock** records, resulting in the generation of actionable insights that informed investment decisions

London Bike Ride Tableau Dashboard

10/2024

- Designed an interactive Tableau dashboard showcasing London bike rides by integrating data from **Transport for London (TfL)**, weather information, and public holidays information, utilising Python for data preparation and predictive modelling
- Optimised **data processing time by 30%** through **Python scripting and Excel** for data cleaning and preparation, enabling timely updates and enhancing the accuracy of insights derived from the dashboard.

Amazon Prime Video Tableau Dashboard

07/2024

- Developed a comprehensive Tableau visualisation for **Amazon Prime Video** by data preprocessing from the website, providing **insightful visualisation and analysis**
- Enhanced **content recommendation strategies by 20%** through thorough data cleaning and analysis, directly impacting user engagement and satisfaction

CERTIFICATIONS

Data Science Job Simulation

09/2024

British Airways (Forage)

- Analysed customer review data and built a predictive model to identify purchasing behaviour factors
- **Key Skills:** Python (Jupyter Notebook), data analysis, predictive modelling, business insights, communication

Excel Skills Job Simulation

08/2024

JP Morgan Chase & Co. (Forage)

- Acquired advanced Excel skills, including data cleansing, manipulation, and automation with VBA
- **Key Skills:** Excel, VBA, data visualisation, automation, macros

Tools and Techniques in Data Science

08/2024

IBM

- Gained hands-on experience in Jupyter Notebook, Docker, SQL, and virtual environments for efficient data management and analysis
- **Key Skills:** Jupyter Notebook, SQL, Docker, data visualisation, virtual environments

Data Engineering

06/2024

LinkedIn

- Gained practical experience in developing robust ETL pipelines, implementing data storage solutions, and managing cloud environments for scalable data operations
- **Key Skills:** ETL Pipelines, Data Warehousing, Cloud Computing, SQL, Data Storage, Data Processing

Machine Learning with Scikit-Learn

06/2024

LinkedIn

- Acquired hands-on experience in building and evaluating machine learning models using Scikit-Learn, focusing on classification, regression, and clustering techniques
- **Key Skills:** Scikit-Learn, Classification, Regression, Clustering, Model Evaluation, Python, Data Preprocessing