

SANYA SETIA

UK | P: +44 7826988866 | [LinkedIn](#) | [GitHub](#)

Results-driven Data Scientist with expertise in **A/B testing, trend analysis, SQL, Python, and BI reporting**. Proven ability to **optimize data pipelines (60M+ rows/day)**, develop **real-time dashboards (Power BI, Tableau)**, and conduct **statistical modeling to drive business decisions**. Experienced in **data-driven storytelling**, passionate about leveraging **AI** to deliver faster insights in a world that is shifting at an unimaginable pace.

WORK EXPERIENCE

UNIVERSITY OF CAMBRIDGE – Career Accelerator with ML and AI

Remote

Data Scientist

Nov 2024 – Present

- Developed NLP models, anomaly detection systems, sentiment analysis, and financial forecasting models as part of a 7-month intensive program focused on deep learning and data science fundamentals.
- Delivered data-driven solutions for a Global Gym Chain and a Universal Bank, providing actionable insights and strategic recommendations.
- Applied advanced machine learning techniques to real-world datasets, optimizing model performance and improving decision-making processes.

TECHSPERT (AI-driven Healthcare Scale-Up)

Cambridge, UK

Business Intelligence Developer

Sep 2022 – Present

- Optimized SQL queries and ETL pipelines (PostgreSQL, MySQL), processing **60M+ rows/day with 99.9% uptime**
- Developed BI dashboard for business KPIs (NRR, Client Reports, ROI), **automating reports and saving 10+ hours weekly**
- Aggregated unstructured data from 5+ sources to build the foundation fields of a new product; forecasted **£850,000 at >95% gross margin**
- Built an **AWS Lambda UDF in PostgreSQL** for millisecond-accurate business hour calculations. Led data integration across Redshift, S3, and Gainsight, **improving analytics speed and consistency**

UNIVERSITY OF LEEDS

Leeds, UK

Education Outreach Fellow

Dec 2021 – Dec 2022

- Curating and Delivering Business Workshops across UK schools for more than **100 participants** successfully
- Presenting interactive **2- hour Workshops** for Masters in Business Analytics Taster sessions for A-level students
- Presenting complex data and analysis concepts in a comprehensive, lucid manner

BAIN AND COMPANY

Remote - India

Data Analyst

Mar 2021 – Aug 2021

- Led, Structured insights and proposals for a healthcare chain looking for investment opportunities, delivered clear and professional presentations
- Delivered strategic insights to senior management on **200+ healthcare investment opportunities**
- Databased **1000+ use cases** using software; Excel, Tableau and Alteryx

THE SMART CUBE

Remote - India

Research Analyst

Nov 2020 – Mar 2021

- Consulted major defense and air services on sustainability practices; Consulted UK's police fleet of more than **40 counties**
- Analyzed market and delivery systems to assess present and future material availability and delivered a relevant report to clients

NATIONAL UNIVERSITY OF SINGAPORE

Singapore

Research Fellow

Jan 2019 – Aug 2021

- Conducted individual lab experiments under the guidance of Director of Centre of Water Research, Professor Hu Jiangyong
- Researched the inflow and outflow of more than 50 specimens daily using Catalytic Ozonation using Excel and MATLAB for the project **“Improving Efficiency of treatment of Petrochemical Wastewater”**

EDUCATION

Institute of Continuing Education, University of Cambridge

Cambridge, UK

Career Accelerator in Data Science with Machine Learning & Artificial Intelligence

Expected July 2025

Focus on Deep Learning Models and Neural Networks with

Hands on Project with major collaboration with a Universal Bank and 4 Deep Learning Projects
Relevant Coursework: Hypothesis Testing, Regression; Clustering; Algorithms; Artificial Intelligence

University of Leeds

MSc Business Analytics and Decision Sciences

Core Modules that focus on digital transformation, machine learning, advanced analytics,
Management decision making, and storytelling with data with like R Studio and Power BI

Leeds, UK

Sep 2021-May 2022

PEC University of Technology

Bachelor of Technology in Civil Engineering (CGPA 8.1/10)

Top 15% of the Academic Year, Awarded '**College Colour**' for exceptional performance in academics,
Administration and co-curricular activities

Chandigarh, India

July 2016-May 2020

AI&ML PROJECTS

TOPIC MODELLING

March 2025

- Applied **BERTopic** to analyze customer reviews from Google and Trustpilot for an International Gym Chain
- Conducted Sentiment Analysis on **10,000+ reviews** to classify positive and negative reviews
- Identified key issues by location and extracted insights using **Falcon-7B-Instruct (LLM)**
Skills: NLP, Topic Modeling, BERT, LDA, Data Visualisation, Python (Pandas, NLTK, Scikit-learn)

ANOMALY DETECTION

Nov 2024

- Built an outlier detection system for ship engines using **IQR, One-Class SVM, and Isolation Forest**; resulting in Early fault detection, **reducing maintenance costs**
- Optimised model parameters to maintain an **anomaly detection rate of 1-5%**, ensuring reliability

ADDITIONAL SKILLS

Programming & ML: Python, SQL, TensorFlow, PyTorch, Hugging Face, Scikit-Learn

Data Engineering: AWS (S3, Redshift, Lambda), ETL Pipelines, PostgreSQL, MySQL

BI & Analytics: Power BI, DOMO, Salesforce

Version Control & DevOps: Git, VS Code

Knowledgeable: Databricks, Docker, Apache Airflow, Databases (AWS, GCP), Spark

Certifications & Training: AWS: Generative AI for Executives, AWS: Fundamentals of Machine Learning and AI, AWS: Responsible Artificial Intelligence Practices

Miscellaneous Work Experience:

FATFACE RETAIL

Store Crew

Leeds, UK

Sep 2022 – Present

- **Adding-in +50% customer profiles and opt-ins** for company offers and promotions
- Handling stocking and restocking to ensure customer satisfaction
- Operating the till with an efficient and customer-forward approach

LEADERSHIP EXPERIENCE

Guest Speak: Data Science Discussion Panel | University of Leeds

Feb 2024

Education Outreach Fellow (University Representative) | University of Leeds, Leeds

Dec 2021 – Dec 2022

Sports In-charge (Sports Secretary) | Punjab Engineering College, Chandigarh

June 2019 – June 2020

Branch In-charge Head | Punjab Engineering College, Chandigarh

June 2019 – June 2020

AWARDS AND ACHIEVEMENT

Certificate of Excellence | Punjab Engineering College, Chandigarh

Budding Water Professional Award | National Hydrology Project, and Ministry of Water Resources India

Certificate of Appreciation | Punjab Engineering College, Chandigarh