

Abhinava Sai Bugudi

London, UK (Willing to relocate)

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Profile

Data Scientist with a First Class Honours degree in Software Engineering and a strong foundation in statistical modeling and predictive analytics. Hands-on experience using Python and R to conduct exploratory data analysis, build forecasting and computer vision models, and derive actionable insights from complex datasets. Passionate about turning raw data into measurable business impact and communicating findings to stakeholders.

Education

BEng Software Engineering, 1st Class Honours

University of Westminster, London

Sep 2022 – Jul 2025

- **Relevant Modules:** Statistical Modelling, Big Data Analytics, Machine Learning, AI Ethics, Advanced Algorithms.
- **A-Levels (Harris Science Academy):** Mathematics, Computer Science, Physics, Chemistry.

Experience and Projects

AI Developer Intern

BuzNear E-commerce Platform (Remote)

Jun 2024 – Sep 2024

- Conducted exploratory data analysis (EDA) on a dataset of over **70,000 user interactions** to identify key features for a product recommendation model.
- Built and evaluated several classification models to improve user engagement, ultimately driving a **15% uplift** in click-through rate (CTR).
- Wrote complex **SQL queries** to extract and aggregate data, building a **Power BI dashboard** to present key findings to the product team.

Data Science Project Lead

VolvoxForex (Independent FinTech Project)

Jan 2025 – Present

- Engineered over **50 features** from multiple time-series data sources (2GB+ daily) to build a predictive forecasting model.
- Developed and validated an LSTM model with **85% directional accuracy**, translating the model's output into actionable daily trading strategy recommendations.

Deep Learning Project (Final Year Project)

Voxscribe: Handwriting Recognition

Oct 2024 – May 2025

- Designed and trained a Convolutional Neural Network (CNN) in TensorFlow, achieving **90% accuracy** on the validation set for character classification.
- Managed the end-to-end modeling process, including preprocessing of the **130,000+ image EMNIST dataset** and performance validation.
- Successfully optimized the final model using TensorFlow Lite (TFLite), reducing its size by over **75%** for efficient mobile deployment.

Skills

Data Science Analytics: Statistical Modeling, Predictive Analytics, A/B Testing, Feature Engineering, EDA
Languages Libraries: Python (Pandas, Scikit-learn, TensorFlow, Keras, Matplotlib), R (RStudio), SQL
Tools BI Platforms: SAS, Power BI, Tableau, AWS, Azure, Docker, Git
Machine Learning: Regression, Classification, Computer Vision (CNNs), Time-Series (LSTM), NLP

Certifications

- SAS Academic Specialisation in Big Data Analytics and Business Intelligence
- Advanced Course in Data Science with Python and R (Datahill Solutions)
- Google Cloud Professional Machine Learning Engineer
- Microsoft Certified: Azure AI Fundamentals (AI-900) Azure Fundamentals (AZ-900)
- DeepLearning.AI – NLP with Transformers