



# Deepanshu Phuloria

London, United Kingdom

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## EDUCATION

### Queen Mary University of London

*Masters in Artificial Intelligence*

September 2021 – September 2022

*London, United Kingdom*

### Massachusetts Institute of Technology

*Micro-Masters in Machine Learning and Statistics via EdX*

February 2021 – May 2021

*Remote*

### Guru Gobind Singh Indraprastha University

*Bachelors in Electronics and Communication Engineering*

August 2015 – June 2019

*New Delhi, India*

## Skills Summary

- **Languages:** Python, MATLAB, C++
- **Frameworks:** Scikit-Learn, PyTorch, TensorFlow, Hugging Face, LangChain
- **Tools:** Caffe, XGBoost, Apache Spark, Kubernetes, AWS, H2O, Shogun
- **Platforms:** Jupyter Notebook, Google Colab, VS Code
- **Soft Skills:** Adaptability, Collaboration, Excellent Communication, Critical Thinking

## WORK EXPERIENCE

### Machine Learning Consultant (Freelance)

*Upwork Freelance*

November 2022 – Ongoing

*London, United Kingdom*

- Developed a **predictive maintenance model** that reduced equipment downtime by 12%, saving approximately \$450,000.
- Successfully developed a **GAN-based DeepFake image detection** model for a client, ensuring timely project delivery.
- Orchestrated collection of 8,600 videos, and 4,400 images from over 200 participants.
- Engineered a model for a client to identify key demographic trends, **boosting ROI by 35%**.
- Developed a **real-time fraud detection** algorithm for a client, potentially saving millions.
- Developed an **interactive chatbot**, reducing response time by approximately 25%.
- Enhanced **recommendation system** by integrating a **transformer-based model**, boosting user engagement by 10%.

### Data Engineer

*Sigma AI*

November 2023 – May 2024

*London, United Kingdom*

- Introduced automated data cleansing, improving accuracy by 30% and enhancing speech recognition.
- Implemented **BigQuery** and **Cloud Dataflow** for real-time data processing.
- Enhanced **Google Home's** NLP by refining machine learning model training data.
- Optimised project management efficiency by 20% through Agile methodology adoption.

### Algorithm Engineer

*Rewati Builders and Co.*

July 2019 – August 2021

*New Delhi, India*

- Pioneered **cutting-edge multimodal networks**, uniting Computer Vision, and NLP in a real estate compatibility checker. The outcome: 20% sales boost and happier customers.
- Spearheaded property **portfolio optimisation**, unearthing high-potential properties for enhanced sales and returns.
- Engineered a **sentiment analysis model**, elevating customer sentiment by approximately 15% for strategic insights.
- Optimised data processes and storage, **enhancing efficiency by 30%** for quicker data-driven decisions.
- Led **predictive churn modelling**, slashing churn rates by 25% and fortifying customer loyalty strategies.

## AWARDS AND ACHIEVEMENTS

### Best Developer & Innovator

April 2021

- Recognised for exceptional contributions, and developing cutting-edge multimodal models that drove company success and innovation.

### Data Wizard

January 2021

- Recognized for exceptional skills in data preprocessing, feature engineering, and data manipulation, resulting in high-quality datasets for machine learning models.