

Deepanshu Phuloria

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PROFESSIONAL SUMMARY

Machine learning professional with 3 years of experience applying models to solve complex business challenges. Proven leadership, communication, and analytical skills. Passionate about translating data into actionable insights. Quick learner and adept at mastering new technologies and techniques.

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 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

WORK EXPERIENCE

Machine Learning Consultant (Freelance)

Upwork Freelance

November 2022 – Ongoing

London, United Kingdom

Languages Used: Python, MATLAB, and R

- Developed a **predictive maintenance model** that reduced equipment downtime by 12%, saving over \$500,000.
- 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 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%.

Algorithm Engineer

Rewati Builders and Co.

July 2019 – August 2021

New Delhi, India

Languages Used: Python and MATLAB

- 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 optimization**, unearthing high-potential properties for enhanced sales and returns.
- Engineered a **sentiment analysis model**, elevating customer sentiment by approximately 15% for strategic insights.
- Optimized data processes and storage, **enhancing efficiency by 30%** for quicker data-driven decisions.
- Led **predictive churn modeling**, slashing churn rates by 25% and fortifying customer loyalty strategies.

AWARDS AND ACHIEVEMENTS

- Awarded Best Developer & Innovator:** Recognized for exceptional contributions, and implementing cutting-edge ideas that drove company success and innovation.
- Data Wizard:** Recognized for exceptional skills in data preprocessing, feature engineering, and data manipulation, resulting in high-quality datasets for machine learning models.

CORE COMPETENCIES

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|-----------------------|-----------------|--------------|---------|
| • Pytorch | • ElasticSearch | • SQL | • GCP |
| • Tensorflow | • Sci-Kit Learn | • AWS | • Spark |
| • Bayesian Statistics | • NLTK | • Kubernetes | • GANs |

ACADEMIC PROJECTS

- | | |
|---|---|
| • Multimodal Network for Property Analysis | • Named Entity Recognition for Legal Documents |
| • Chatbot Development for Customer Support | • Natural Language Generation for Medical Reports |
| • Language Translation Model for Multilingual Content | • Automated Analysis of Echocardiograms |
| • Sentiment Analysis of Social Media Data | • Medical Image Segmentation using 3D CNNs |
| | • Seeing Behind Objects Using Shadows |