Abin Varghese

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Education

Kingston University   London, UK
MSc, Data Science - First Class   2023 - 2024
Dissertation - Bridging the Gap: Exploring Privacy-Enhancing Technologies and Facilitating Collaboration between Academia and Industry through Federated Learning, and 'Privacy-as-Code' System Development.

SRM Institute of Science and Technology   Chennai, India
B.Tech, Computer Science and Engineering   2016 – 2020
First Class with Distinction

Experience

INFOSYS LTD.   Mysore, India
Data Scientist   01/2021 – 12/2022
- Engineered team leadership: Orchestrated development of an enterprise solution utilising the Attention model to autonomously extract and categorise skills from resumes, leading to substantial cost savings in HR operations at Bangalore and Mysore DC.
- Contributed to ML projects: Enabled BEF's global impact, attracted external clients like GlobalFoundries, boosting profits in 2021-2022.
- Created courses: Trained 5000+ employees in ML, NLP, and stats, indirectly increasing revenue.
- Awarded best author: GPT-3 course in Q2 2022, live to 250,000+ internal employees and external vendors.

CORIZO   Bangalore, India
Leader for Data Science and Machine Learning   02/2022 – Present
- Achieved 55% revenue increase: Led 500+ students in data science and machine learning, driving growth.
- Headed highest-revenue department: Developed impactful lessons and projects.

BLOOMTECH   California, USA
Subject Matter Expert for Data Science   04/2022 – 06/2022
- Initiated technical projects: Enhanced data-driven capabilities and delivered projects for their clients.

Projects

A-B Testing Approach for Comparing Performance of ML Models →
- The project compares BERT and DistilBERT models for QA systems via A/B testing.

Built Real Estate Price Prediction Model with NLP and FastAPI →
- Developed real estate price prediction model, deployed on Heroku with FastAPI.

Credit Card Fraud Detection →
- Objective: Create and deploy 4 robust deep-learning fraud detection models.

Flight Ticket Price Predictor →
- Objective: Develop a flight ticket price prediction model using multiple features

Fake News Classifier →
- Built the LSTM model from scratch to classify fake and legitimate news.

Hackathon: Cybertrendz →
- Cybertrendz hackathon: Special mention for tech-driven privacy solution with policy-to-checklist conversion.

Single Pong Player Game →
- Single-player Pong game with paddle control, score tracking, and specified score limit.

Conway's Game of Life →
- Python implementation of Conway's Game of Life, simulating life-like patterns on a grid with simple rules.

Skills

Expert: Python 3.X, MySQL, Classical and Deep Machine Learning, Data Science, NLP, Keras
Proficient: Java, CNN, Linux, TensorFlow, Tableau

Leadership and Volunteering

Applied Privacy Podcast →
- Hosts Applied Privacy podcast with industry leaders (CEOs) on privacy from various perspectives.

Ukraine Global Taskforce →
- Data curator aiding Ukraine war logistics, creating live bombing alert heatmap.

Licenses and Certifications → Please click on this hyperlink to view all the certifications.