Vishw Vekariya

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EDUCATION

UCLA Anderson School of Management — Los Angeles, CA
Master of Science in Business Analytics (MSBA) — *Dec. 2026*
- Coursework: Machine Learning, Data Management, Optimization, Probability & Statistics, Prescriptive Modeling, Data Analytics, Forecasting and Time Series, Data Visualization

Sardar Vallabhbhai National Institute of Technology (SVNIT) — Surat, India
Bachelor of Technology in Computer Science and Engineering — *Jun. 2025*
- Coursework: Data Science, Big Data Analytics, Software Engineering, Machine Learning, Statistics, Natural Language Processing, Artificial Intelligence

SKILLS

Languages: Java, Python, C/C++, SQL, R (dplyr, ggplot2, Esquisse, Mlr3), Scala, JavaScript, HTML/CSS
Frameworks: Airflow, Hadoop, Kafka, Hive, Angular, React, .NET ,Node.js, Flask, MongoDB
Developer Tools: Git, Azure, Microsoft Fabric, Linux ,Google Cloud Platform, VS Code, PyCharm, Power BI
Libraries: Pyspark, NumPy, TensorFlow, Matplotlib, OpenCV, NLTK, XGBoost, Scikit-learn, Pandas
Gen AI: Fine-tuning LLMs, multi-agent AI, Conversational AI, Prompt Engineering
Machine Learning: Deep Learning, Transformers, Natural Language Processing, Reinforcement Learning (RL), Neural Networks, Decision Trees, K-Means Clustering, Image Processing, Time Series Forecasting, Predictive Modeling

EXPERIENCE

MAQ Software / LinkedIn (Contract) — Jan. 2025 – Jun. 2025
Associate Software Engineer - Data Engineer — *Noida, India*
- Engineered 15 distinct Airflow DAGs for LinkedIn Flagship Backend team using Scala and Pyspark to automate data transformation workflows, achieving a 97% success rate in execution.
- Integrated Azure Pipelines and Logic Apps to trigger email alerts for critical reporting workflows, immediately notifying stakeholders of data updates and anomalies, improving report accuracy by 15%.

Reliance Industries Ltd. — May 2024 – Jul. 2024
Software Engineer Intern — *Mumbai, India*
- Pioneered the adoption of Angular CLI and Spring Boot for the Visitor Management System, improving code maintainability and boosting team efficiency by 20%, which accelerated feature delivery for 10,000+ daily visitor entries across Reliance facilities.
- Developed an OpenCV-based module to automate visitor card data capture with 98% accuracy, reducing manual entry errors and strengthening security compliance by ensuring reliable visitor identity verification.

Techs Network — May 2023 – Aug. 2023
Machine Learning Intern — *Bengaluru, India*
- Developed a resume screening model using TensorFlow and XGBoost, achieving 95% accuracy in identifying qualified candidates based on keyword relevance and experience level.
- Accelerated an LSTM model using TensorFlow, achieving a 12% improvement in stock prediction accuracy compared to the baseline model, providing more insights for the investment team.

PROJECTS

Heart Rate Calculation using Remote Photoplethysmography | *Python, Pytorch, QtGui, QtCore, cv2, SciPy, Git*
- Engineered a remote photoplethysmography (rPPG) system using computer vision and signal analysis to measure heart rate from facial videos, leveraging Python and PyTorch. Achieved a mean absolute error of 5 BPM compared to industry-standard ECG, demonstrating accuracy and scalability of non-contact health monitoring.

Sales Prediction AI Dashboard | *Python, Flask, MongoDB, Express, React, Node, Git*
- Delivered an AI-powered sales prediction dashboard using ARIMA and Prophet model and time-series analysis, providing daily, weekly, and monthly trend breakdowns with 95% accuracy, thereby improving resource allocation.

Capturing SARS-CoV-2 Mutations with NLP (IEEE) | *Python, Transformers, SciSpacy*
- Applied Transformer-based NLP models to genomic sequences of the SARS-CoV-2 Spike protein to predict mutation likelihoods; achieved 6.5% evaluation loss in masked language modeling