Vishw Vekariya

Los Angeles, CA (Open to Relocate) | (213)-773-8436 | vishwvekariya@gmail.com | LinkedIn | Github

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 — 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

Discover Your Exoplane | *Flask, Pandas, Numpy, Keras, Tensorflow, fpdf, Docker*

- Built a **Flask web application** utilizing **deep learning models** to classify potential exoplanets and **reduced data processing time by 15%.**
- Explored & evaluated **CNN & CNN+LSTM hybrid models**; achieved a **97.85%** accuracy on the **Kepler labeled time series dataset** based on light curve intensity of the planets.

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.