

# Vishw Vekariya

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## EDUCATION

<b>UCLA Anderson School of Management</b> <i>Master of Science in Data Science and Business Analytics (MSBA)</i> <ul style="list-style-type: none"><li>Coursework: Machine Learning, Data Management, Optimization, Probability &amp; Statistics, Prescriptive Modeling, Data Analytics, Forecasting and Time Series, Data Visualization</li></ul>	Los Angeles, CA Dec. 2026
<b>Sardar Vallabhbhai National Institute of Technology (SVNIT)</b> <i>Bachelor of Technology in Computer Science and Engineering</i> <ul style="list-style-type: none"><li>Coursework: Data Science, Big Data Analytics, Software Engineering, Machine Learning, Statistics, Natural Language Processing, Artificial Intelligence</li></ul>	Surat, India Jun. 2025

## 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

<b>MAQ Software / LinkedIn</b> <i>Associate Software Engineer - Data Engineer</i> <ul style="list-style-type: none"><li>Engineered <b>15 distinct Airflow DAGs</b> for <b>LinkedIn Flagship Backend team</b> using <b>Scala and Pyspark</b> to <b>automate data transformation workflows</b>, achieving a <b>97% success rate</b> in execution.</li><li>Integrated <b>Azure Pipelines and Logic Apps</b> to <b>trigger email alerts</b> for critical reporting workflows, <b>immediately notifying stakeholders</b> of data updates and anomalies, <b>improving report accuracy by 15%</b>.</li></ul>	Jan. 2025 – Jun. 2025 Noida, India
<b>Reliance Industries Ltd.</b> <i>Software Engineer Intern</i> <ul style="list-style-type: none"><li>Pioneered the adoption of Angular CLI and Spring Boot for the <b>Visitor Management System</b>, <b>improving code maintainability and boosting team efficiency by 20%</b>, which accelerated feature delivery for <b>10,000+ daily visitor</b> entries across Reliance facilities.</li><li>Developed an <b>OpenCV-based module</b> to automate visitor card <b>data capture with 98% accuracy</b>, reducing manual entry errors and strengthening security compliance by ensuring reliable visitor identity verification.</li></ul>	May 2024 – Jul. 2024 Mumbai, India
<b>Techs Network</b> <i>Machine Learning Intern</i> <ul style="list-style-type: none"><li>Developed a resume screening model using <b>TensorFlow and XGBoost</b>, achieving <b>95% accuracy</b> in identifying qualified candidates based on keyword relevance and experience level.</li><li>Accelerated an <b>LSTM model</b> using <b>TensorFlow</b>, achieving a <b>12% improvement</b> in stock prediction accuracy compared to the baseline model, providing more insights for the investment team.</li></ul>	May 2023 – Aug. 2023 Bengaluru, India

## PROJECTS

<b>Discover Your Exoplanet</b>   <i>Flask, Pandas, Numpy, Keras, Tensorflow, fpdf, Docker</i> <ul style="list-style-type: none"><li>Built a <b>Flask web application</b> utilizing <b>deep learning models</b> to classify potential exoplanets and <b>reduced data processing time by 15%</b>.</li><li>Explored &amp; evaluated <b>CNN &amp; CNN+LSTM hybrid models</b>; achieved a <b>97.85% accuracy</b> on the <b>Kepler labeled time series dataset</b> based on light curve intensity of the planets.</li></ul>
<b>Heart Rate Calculation using Remote Photoplethysmography</b>   <i>Python, Pytorch, QtGui, QtCore, cv2, SciPy, Git</i> <ul style="list-style-type: none"><li>Engineered a <b>remote photoplethysmography (rPPG) system</b> using computer vision and signal analysis to <b>measure heart rate from facial videos</b>, leveraging <b>Python and PyTorch</b>. Achieved a <b>mean absolute error of 5 BPM</b> compared to industry-standard ECG, demonstrating accuracy and <b>scalability of non-contact health monitoring</b>.</li></ul>
<b>Sales Prediction AI Dashboard</b>   <i>Python, Flask, MongoDB, Express, React, Node, Git</i> <ul style="list-style-type: none"><li>Delivered an <b>AI-powered sales prediction dashboard</b> using <b>ARIMA and Prophet model</b> and <b>time-series analysis</b>, providing <b>daily, weekly, and monthly trend</b> breakdowns with <b>95% accuracy</b>, thereby improving resource allocation.</li></ul>