

Aditya Bharath

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EDUCATION

University of California, Los Angeles

B.S. Statistics & Data Science + B.A. Economics

London School of Economics Summer School

Intensive Course on Machine Learning in Practice

Sept 2021 - Jun 2025

Cumulative GPA: 3.8/4.0

Jun 2022 – Jul 2022

Grade: A-

WORK EXPERIENCE

CVS Health | Data Engineer | New York, NY

Jul 2025 - Present

- Built automation pipelines for report monitoring tasks to support 20+ engineers on the team
- Supported the migration of 10+ projects from Teradata to Google Cloud Platform
- Developed SQL scripts to validate functioning of reports post migration, and check efficiency

CVS Health | Data Engineering Intern | Hartford, CT

Jun 2024 – Aug 2024

- Created and implemented 15+ interactive dashboards for 150+ clients
- Improved Tableau report performance by 19.8% through strategic optimization of marks, calculations, and extracts
- Redesigned and modernized dashboards in collaboration with the design team, enhancing visual appeal and functionality to meet current design trends and facilitate comprehensive data analysis

Tata 1MG | Data Science Intern | New Delhi, India

Jul 2023 – Aug 2023

- Built end-to-end ML Pipeline to forecast user return in a given month with 83% accuracy
- Deployed Random Forest model into production via API consumed by 5+ business apps
- Trained, tested, and validated model results on user base of 3.2 million+ users

MakeMyTrip | Data Science Intern | New Delhi, India

Aug 2022 – Sep 2022

- Developed a seasonal ARIMA time series model to forecast demand for inventory management with a model accuracy of 85%
- Created detailed recommendation report to assist improving Click Through Rate by almost 10%
- Designed Tableau dashboards tracking 15+ KPIs across sales and engagement

INDEPENDENT PROJECTS

Bullseye | Python, OpenAI, Prompt Engineering | [Link](#)

Jul 2023 - Aug 2023

- Built an AI driven Chrome extension to simplify financial news interpretation
- Provided analysis for news with the related first and second order impacts, along with market movement
- Prompt engineered LLM to focus on clear, actionable interpretation of financial news and highlight process of analysis

LLM Analytics Dashboard | Python, Streamlit, OpenAI, PostgreSQL | [Link](#)

July 2025

- Built an interactive LLM analytics dashboard using Streamlit to monitor and visualize OpenAI prompt logs with metrics like token usage, latency, and cost across different GPT models
- Integrated OpenAI API with a PostgreSQL database and SQLAlchemy ORM, logging real-time prompt-response pairs, tracking usage trends, and estimating costs based on model-specific pricing.

NBA DuoFit | Python, Clustering, Data Visualization, NLP | [Link](#)

Jul 2023 - Aug 2023

- Built a Python Streamlit WebApp to forecast the net rating for any user selected pair of all stars
- Developed Streamlit interface enabling users to explore 500+ player combinations interactively
- Utilized Principal Component Analysis and KMeans Clustering to develop player similarity models

SKILLS & COURSEWORK

Relevant Coursework: Machine Learning, Regression Analysis, Causal Inference, Deep Learning, **Programming Languages:** R, Python, SQL; **Tools:** RStudio, Jupyter Notebooks, Git, PyCharm, GitHub; **Technologies:** Google Cloud Platform, Microsoft Azure, MySQL, Snowflake; **Machine Learning & Data Science:** Scikit-Learn, OpenCV, Matplotlib, NumPy, Seaborn, Plotly, NLP, Computer Vision, Clustering, Forecasting, Time Series Analysis, Classification, Regression, Ensemble Methods, AutoML, Ggplot2, Dplyr, Tidyverse, Streamlit; **Other:** Excel, Tableau;

LANGUAGES & INTERESTS

Languages: English, Hindi, French, Tamil

Interests: Golf, Basketball, Football, Travel