

# 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*

Jun 2025

*Cumulative GPA: 3.8/4.0*

Jun 2022 – Jul 2022

*Grade: A-*

## INTERNSHIP EXPERIENCE

### 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
- Developed and deployed Random Forest Classifier model, to be integrated with 5+ current projects across A/B testing, pricing analysis, and demand elasticity
- 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%
- Created visualization dashboards for 15+ metrics using Tableau to highlight key analytical insights

## INDEPENDENT PROJECTS

### 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 an interactive App where the user can see player archetypes, similarity, and net rating forecasting
- Utilized Principal Component Analysis and KMeans Clustering to develop player similarity models

### Midfielder Archetype Analysis | Python, Data Visualization, K-Means Clustering, Classification | [Link](#)

July 2022

- Web-scraped data records for more than 1000+ midfielders in football across various parameters
- Built classification model to predict the midfielder class type for a given player with 95% accuracy
- Developed research paper based on patterns found from comparing discovered class type prevalence with winning teams

## LEADERSHIP & ACTIVITIES

### DataBlog Head | UCLA DataRes | Los Angeles, CA

Mar 2023 – Apr 2024

- Led 50+ students focused on analytical projects on topics such as economics, sustainability, entertainment, and sports
- Developed and conducted workshops for 50+ students in data science in Python and R to help students grow analysis skills
- Oversaw marketing, resulting in more than 250+ applications (10% increase from previous year)

### Project Lead | UCLA DataRes | Los Angeles, CA

Jan 2023 – Mar 2023

- Led team of 4 students to work on an analytical project exploring the impact of gender in pop-music
- Utilized Natural Language Processing to explore sentiment analysis of words used and wrote an article showing results and insights from the analysis

### Data Consultant | UCLA DataRes | Los Angeles, CA

Sep 2023 – Dec 2023

- Worked in a team of 5 students to streamline data collection and predictive pipeline through seasonality and trend identification
- Built a predictive model to successfully forecast 3 variables on a 15-minute time frame for upto 30 days with 85% accuracy

## SKILLS

**Programming Languages:** R, Python, SQL; **Tools:** 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