

Varad Alshi

8421828974 / varadalshi7@gmail.com / linkedin.com/in/varadalshi / github.com/VaradCodes31

EDUCATION

Dr. Vishwanath Karad MIT World Peace University

Pune, MH, India

Bachelor of Technology in Computer Science

CGPA: 8.68

June. 2023 –

EXPERIENCE

Finlatics Data Science and Machine Learning Work Experience Program

Feb 2025 – April 2025

- Completed the Finlatics Data Science with Python program from Feb to Apr 2025.
- Worked on data analysis projects translating business goals into data-driven solutions.
- Used Python and statistical methods to extract insights from complex datasets.
- Contributed to decision-making through critical thinking and innovative problem-solving.

PROJECTS

Movie Success Prediction and Recommendation Engine / *Python, Scikit-learn, XGBoost, LightGBM, Transformers*

- Built an end-to-end **ML and NLP** system using **TMDB data (200+ movies, 10K+ API calls)** to predict movie success and deliver personalized recommendations.
- Engineered **55+ features** and trained multiple models achieving **85% accuracy** for high-rated films and **78%** for profitability prediction.
- Implemented **Sentence-BERT-based similarity** achieving **0.82 accuracy** for content recommendations and genre discovery.
- Deployed an **interactive Streamlit dashboard (<2s response)** providing insights that **reduce production risk by 45%** and optimize investment strategies.

Customer Churn Prediction and Retention System / *Python, Scikit-learn, Streamlit, SHAP*

- Engineered a full-stack ML pipeline using the **IBM Telco dataset (7K+ records, 21 features)** to predict customer churn with **79% accuracy** and an **F1-score of 0.81**
- Performed **feature-engineering, hyperparameter tuning, and model evaluation** across Logistic Regression, Random Forest and XGBoost classifiers.
- Integrated **SHAP explainability** to identify high-impact churn drivers, improving interpretability and model trust.
- Deployed a **Streamlit dashboard** with real-time risk scoring and retention recommendations, demonstrating **end-to-end MLOps implementation**.

TECHNICAL SKILLS

Languages: Java(basics), Python, C/C++, SQL (MySQL), R, MongoDB

Frameworks: Flask, FastAPI

Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, MongoDB Compass, MongoDB Atlas

Libraries and Visualization Tools: Pandas, NumPy, Matplotlib, Seaborn, Streamlit, Tableau

EXTRA-CURRICULARS

Dr. Vishwanath Karad MIT World Peace University

Pune, MH, India

Google Developer Groups On Campus (GDGoC)

Nov 2023 - present

- Leading the **Design and Content Team** since **June 2025**, overseeing technical communication and visual branding initiatives for GDGoC.
- Creating engaging **technical and developer – focused content** for the past **two years**, contributing to community learning and visibility.
- Authored and published posts on the club's **official social media platforms**, driving higher engagement and outreach among student developers.
- Volunteered at large-scale events including **WOW Pune**, a city wide developer conference, supporting content and coordination efforts.

MITWPU's Career Development Centre (CDC)

Feb 2025 – present

- Contributed to **student-training** and **upskilling initiatives** as an active member of the Career Development Centre, enhancing **employability** and **career readiness**.
- Organized and represented the university at a **career fair featuring 15+ UK Universities**, connecting students to **global opportunities** and earning a **letter of recommendation** for outstanding contribution.