

## Varun B

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Portfolio: [ <https://varun539.github.io/portfolio/> ]

### Career Objective:

Data Science student with hands-on experience in Python, SQL, Machine Learning, and Prompt Engineering. Proven ability to build and deploy ML-powered applications using Streamlit and Scikit-learn. Skilled at transforming raw datasets into actionable insights through EDA, feature engineering, and model deployment. Actively seeking remote internships or entry-level data roles with flexibility to overlap 3–5 hours with international teams.

### Skills :

- Programming: Python ,SQL
- Libraries and Tools :NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn ,Jupyter Notebook, Kaggle Notebook, VS Code, Streamlit, GitHub , MySQL
- Concepts: Data Cleaning, EDA, Feature Engineering, ML Modeling ,Model deployment , Prompt Engineering (LLM/AI-assisted solutions)
- Soft skills: Time management, Team collaboration, Remote collaboration

### Projects:

#### Walmart Weekly sales prediction:

Engineered features and trained a Random Forest model ( $R^2$ : 0.9995, RMSE: 511) to forecast weekly sales; deployed an interactive Streamlit app for real-time predictions. *Impact*: Improved demand planning & stock optimization insights.

- GitHub: <https://github.com/varun539/Walmart-sales-prediction>
- Live Demo: <https://walmart-sales-prediction-varun.streamlit.app/>

#### Customer churn prediction:

- Analyzed telecom dataset to predict customer churn risk. , Compared multiple models (Logistic Regression, Random Forest, XGBoost). • Final model: Logistic Regression + SMOTE (ROC-AUC: 0.84+).
- Deployed Streamlit app for churn probability prediction.
- Impact: Helps telecom companies reduce churn by targeting at-risk customers.
- Github: <https://github.com/varun539/customer-churn-app>
- Live Demo: <https://customer-churn-app-by-varun.streamlit.app/>

#### Indian Startup Funding EDA (2015–2021):

- Cleaned and standardized raw dataset (\$50B+ funding data). • Discovered key insights: 2017 peak year (\$10B+), Bengaluru hub (\$23B+), top investors Sequoia & Accel.
- Visualized industry trends (E-commerce, FinTech, EdTech growth) & funding type evolution.
- Impact: Provided actionable insights on India's startup ecosystem for investors & entrepreneurs.

### Certifications:

- GenAI Powered Data Analytics Job Simulation -TATA
- Quantitative Research Job Simulation -JPMORGAN
- Data Science Training certificate –ACMEGRADE
- Python with Libraries- SKILLERA

### Education:

Lovely Professional University, Punjab:

B.Tech in Computer Science & Engineering (Specialization: Data Science) July 2024 – Present