

# SHLOK BAGWE

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## EDUCATION

**B.Tech in Computer Science**  
*Vidyalankar Institute of Technology*  
GPA: 9.89

Sept 2024 – May 2028

## SKILLS

**Programming** – Python, Java, C

**Libraries/Tools** – Pandas, NumPy, Seaborn, Matplotlib, Scikit-learn

**Databases** – PostgreSQL, MySQL

**Other** – Git and GitHub, PowerBI, BeautifulSoup, Streamlit

## PROJECTS

**Realytics – End-to-End Real Estate Intelligence Platform**  May. 2026 – Present

*Platform for Mumbai Real Estate Analytics*

Tech: **Python, Pandas, NumPy, Scikit-Learn, Visualization**

- Built an end-to-end real estate intelligence platform by integrating 99acres scraped data and Kaggle dataset, creating a unified Mumbai property database.
- Developed and optimized models and achieved  $R^2 \sim 0.92$  and **MAE ~₹77 Lakhs** using Bayesian-optimized XGBoost.
- Performed comprehensive EDA, feature engineering, **SHAP**-based explainability, and domain-driven validation to identify key pricing drivers such as location, area, and property characteristics.
- Built a Streamlit application featuring market analytics and property price prediction.

**Google Play Store Market Analysis (EDA)**  Dec.2025

*Exploratory Data Analysis for Market Opportunity*

Tech: **Python, NumPy, Pandas, Visualization**

- Analyzed 10K+ mobile apps to identify demand, competition, and rating patterns across categories.
- Used installs-per-app and variability analysis to detect overcrowded vs opportunity-rich segments.
- Delivered data-driven market entry insights using visual and statistical exploration.

**Global Layoffs Trend Analysis (EDA + Dashboard)**  Jan.2026

*Time-Series & Multivariate Business Analysis*

Tech: **Python, SQL, Pandas, Streamlit, Visualization**

- Analyzed global layoff trends across time, industry, funding stage, uncovering high-risk segments.
- Performed multivariate analysis to link funding stage and industry with layoff severity.
- Built an interactive Streamlit dashboard for exploratory and decision-focused analysis.

## LANGUAGES

**English**

**Hindi**

**Marathi**

## CERTIFICATES

**Machine Learning with Python** May 2026  
*L&T*

**Java NPTEL** May 2025  
Top 2%.

## EXTRACURRICULAR ACTIVITIES

**CSI Media Creation Team** – contributed as a Video Editor