

Ganesh Todkari

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Summary

MBA-IT student with a B.Sc. in Computer Science, specializing in Data Analytics. Proven expertise in translating complex data into actionable business insights using **Python (Pandas)**, **SQL**, and **Excel**. Currently seeking opportunities to apply analytical expertise in building proactive, insight-driven management platforms.

Skills:

- **Programming:** Python, SQL
- **Data Science & ML:** Regression, Classification, Feature Engineering, Time-Series Analysis, Model Evaluation, NLP
- **Libraries & Frameworks:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, TensorFlow, Rasa
- **Databases & Tools:** MySQL, Firebase, Power BI, Tableau, Excel
- **Methodologies:** EDA, Data Wrangling, Data Quality Frameworks, A/B Testing

Academic & Freelancing Projects

Financial Transaction Analysis & Fraud Detection | Classification, Business Intelligence

- Developed a data quality framework to clean, validate, and pre-process financial transaction data, including automated anomaly detection.
- Translated analysis into a compelling business narrative by creating an interactive Power BI dashboard to visualize fraud trends and risk categories.
- Built a classification model (optimized for F1-score/AUC-ROC) to provide strategic recommendations for risk mitigation.

Mental Health Chatbot | Conversational AI (Rasa) & Data Annotation

- Developed a full-stack conversational app using Python and the Rasa framework to manage dialogue flows and the front-end interface.
- Performed text annotation by creating and labeling a dataset of user "intents" (e.g. express_emotion, seek_help) to train the NLU model.
- Scripted the core logic in Python using rule-based keyword matching and the TextBlob library to implement sentiment-driven dialogue

Rossmann Stores Sales Demand Prediction | Regression, Time-Series Analysis

- Analyzed and pre-processed a large dataset (1M+ records) to uncover trends using Python and Pandas.
- Built and optimized multiple regression models (XGBoost Regressor achieved R2 of 0.85 and RMSE of 0.16).
- Delivered data-driven forecasts and strategic recommendations for inventory planning.

House Price Prediction | Regression, Feature Engineering

- Performed comprehensive data preprocessing including outlier capping and log transformation.
- Improved model performance by engineering features using K-Means clustering and one-hot encoding.
- Trained and tuned ensemble models (Random Forest, LightGBM, XGBoost) using GridSearchCV.

VybeRiders Mobile App | Full-Stack Development

- Led end-to-end development of bike rental application using Flutter and Firebase.
- Managed authentication, UPI payments, and bike inventory systems.
- Automated notifications via WhatsApp Cloud API, improving operational efficiency.

Education

MBA-IT: Symbiosis Institute of Computer Studies and Research, Pune | Expected Jun 2026

Bachelor of Science in Computer Science: D.H.B Soni College, Solapur | Graduated Jun 2023

Certifications

- **SQL (Advanced)** - HackerRank
- **Power BI for Business Professionals** - Infosys Springboard
- **Data Analytics using Power BI** - TechA/Infosys
- **Python Programmer** - Infosys Springboard