Vaishnavi Malge

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PROFESSIONAL SUMMARY

Motivated and detail-oriented Data Science enthusiast with hands-on experience in **machine learning, predictive modeling,** and **statistical analysis**. Skilled in building **end-to-end data pipelines**, performing **EDA**, and handling **structured** and **unstructured** data. Strong grasp of **AI** concepts with a focus on delivering data-driven insights to real-world problems.

PROJECTS

Movie Review Sentiment Analysis Github

Tools: Python, NLTK, Scikit-learn, CountVectorizer, Jupyter Notebook

- Developed a **sentiment analysis model** using **NLP** and **Voting Classifier** (Logistic Regression, Naive Bayes, ExtraTrees)
- Preprocessed **text data** with **tokenization**, **stopword removal**, and **CountVectorizer**
- Achieved **85% accuracy**; evaluated using **accuracy** and **precision**
- Created **WordCloud** visualizations for positive and negative reviews

Customer Churn Prediction | Streamlit App Github

Tools: Python, Scikit-learn, Pandas, Streamlit, NumPy, Seaborn, Matplotlib

- Built an **ML pipeline** for **churn prediction**, achieving **86% accuracy**
- Performed **EDA**, handled **imbalanced data** using **SMOTE**
- Tuned model with **RandomizedSearchCV** for optimization
- Deployed interactive **Streamlit app** for real-time predictions

EDUCATION

- **Bachelor of Technology (B.Tech)** in Electrical Engineering

Dr. Babasaheb Ambedkar Technological University (2019 – 2022)

CGPA: **8.85** | First Class with Distinction

- **Diploma in Electrical Engineering**

Government College of Engineering, Nanded (2016 – 2019)

Percentage: **86.48 %** | First Class with Distinction

SKILLS

- **Programming:** Python, SQL (MySQL)

- **Libraries/Frameworks:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn,NLTK

- **Data Science:** EDA, Data Cleaning, Feature Engineering, Statistical Analysis, Data Visualization

- **Machine Learning:** Regression, Classification, Model Evaluation (R^2, MAE, MSE), Cross-Validation, Hyperparameter Tuning

- **AI/LLMs:** RAG Architecture, LLMs, OpenAI API, Prompt Engineering, Embeddings, Retrieval Pipelines,NLP

- **Tools:** Jupyter Notebook, Google Colab, VS Code, Anaconda, Streamlit, Ollama, Mistral, Google Sheets, Google Docs.

- **Soft Skills:** Problem Solving, Time Management, Teamwork, Communication

CERTIFICATIONS/COURCES

- **Cisco Certified: Introduction to Data Science –** Cisco Networking Academy
Completed: February 2025

- **SQL (Basic) Certificate –** HackerRank
Issued: July 2025

- **Basics of Python –** Springboard
Issued: July 2025