Saish Baviskar

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About Me

I'm a Data Science and AI engineering student who builds intelligent full-stack systems using Machine Learning and Generative AI. I focus on turning data, models, and LLMs into real-world, deployable products.

Technical Skills

❖ **Languages :** C, C++, Python, JavaScript

❖ **Data Science :** Machine Learning, Scikit-Learn, Pandas, Web Scraping, EDA, Matplotlib, Feature Engineering

❖ **Generative AI :** LangChain, LLaMA, Gemini, Prompt Engineering

❖ **Frameworks & Tools :** FastAPI, Streamlit, MySQL, React.js, Node.js, Express.js, Git, MongoDB

Projects

❖ **SmartRetail 360 – AI Inventory & Marketing Engine**| *Python, Scikit Learn, LangChain, React* | *Live* | *GitHub*

- Implemented a **XGBoost forecasting model**, reducing MAE by **32%** compared to traditional rolling-average baselines.
- Segmented customers into **5** behavioral groups via **K-Means & RFM analysis** to drive targeted high conversion marketing.
- Designed a **Strategy Engine** that generates data-driven marketing campaign plans for **100% of stock items**.
- Connected **Google Gemini (Gen AI)** to automate personalized marketing copy across 3+ channels, reducing manual work.

❖ **DataSense – AI-Powered Data Analyst** | *Python, LangChain, Pandas, Matplotlib, Streamlit* | *Live* | *GitHub*

- Developed a Streamlit & LangChain platform for complex **data analysis** using **Natural Language Queries(NLQ)**.
- **Automated EDA** to generate instant statistical summaries and correlation heatmaps for datasets up to 200MB.
- **Enabled LLM code generation for** data cleaning and custom **Matplotlib/Seaborn visualizations** with code.
- Architected a **multi-model backend** (Gemini, GPT-4, Claude) with secure guardrails for safe data manipulation.

❖ **Box Office Prediction** | *Python, Random Forest, Scikit Learn, Pandas, Streamlit* | *Live* | *GitHub*

- **Constructed a two-stage Random Forest pipeline**, achieving a **0.95 R² score** for India Net revenue predictions.
- **Curated a custom dataset of 30+ features** via web scraping, capturing industry trends and cyclical seasonality.
- **Improved prediction accuracy** using log transformations and automated detection for multi-language Pan-India films.
- Deployed a **Streamlit dashboard** providing real-time forecasts with a **Mean Absolute Error (MAE) of ₹7.9 Cr**.

Experience

❖ **BlueBit Hackathon 2025 (2nd Place)** – *MedGenix: Prescription Scanner & Generic Medicine Recommender*   **Mar 2025**

- **Created MedGenix**, to scan prescriptions and recommend generic alternatives, saving users up to 85%.
- Achieved **92% OCR accuracy** using NLP and fallback logic on handwritten data.
- Web scraped prices from **10+ pharmacy sites** for real-time comparisons between normal and generic medicine.

❖ **HackMatrix 3.0** – *Pregnancy Wellness Platform*   **Feb 2025**

- Delivered an **AI**-**based platform** for personalized **prenatal** & **postnatal** care.
- Implemented an **appointment alert system** with 100% automated **reminders** and **calendar sync**.
- Integrated **meal logging** with auto-calculated **nutrition stats** and macro pie charts for 3+ meal types.

Education

❖ **Savitribai Phule Pune University**   **Aug 2023 – June 2027**

- Bachelor of Engineering in Artificial Intelligence & Data Science   *CGPA: 9.05 | Pimpri Chinchwad, Pune*