Saish Baviskar

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About Me

I'm a Data Science & AI engineering student with strong Machine Learning foundations, building scalable AI systems across Deep Learning, NLP, and Generative AI.

Technical Skills

❖ **Machine Learning:** Supervised & Unsupervised Learning, Feature Engineering, Scikit-Learn, XGBoost

❖ **Deep Learning & NLP :** Neural Networks, CNN, RNN, LSTM, Transformers, NLP, Embeddings

❖ **Frameworks & Tools :** TensorFlow, Keras, Hugging Face, FastAPI, Streamlit, Git, MySQL, React.js, Node.js

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

Projects

❖ **SkillFit AI – Intelligent Career Assistant** | *FastAPI, TensorFlow, LangChain, React* | *Download* | *GitHub*

- Built an AI system semantically matching resumes with **50+ live jobs across 5+ platforms**, generating a market-fit score.
- Engineered a hybrid **skill extraction pipeline (spaCy NER + 22k+ dictionary)** for accurate resume normalization.
- Implemented **SBERT bi-encoders + Cross-Encoder re-ranking** for high-precision resume–JD matching beyond keywords.
- Leveraged **LangChain + Llama-3** to auto-generate personalized learning roadmaps and adjacent role recommendations.

❖ **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.

❖ **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.

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: 9.14 | Pimpri Chinchwad, Pune*