CHETAN PAWAR

Nashik, Maharashtra • chetanpawar2002official@gmail.com • 9359208098 • GitHub • LinkedIn • Portfolio

TECHNICAL SKILLS

Programming Languages: Python, SQL, Rust, C++
AI/LLM Engineering: LangGraph, CrewAI, Agno (Phidata), LangChain, RAG, Hugging Face Transformers
ML & Data Science: Scikit-learn, XGBoost, TensorFlow, PyTorch, Pandas, NumPy
Cloud & Infrastructure: AWS (S3, EC2), Kubernetes, Docker, Git, CI/CD, MLOps
Backend & Databases: FastAPI, Flask, Vector database (ChromaDB, Pinecone), MySQL, SQLite
Concepts: Machine Learning, Deep Learning, Natural Language Processing (NLP), Generative AI, Feature Engineering, Statistical Analysis, A/B Testing

EXPERIENCE

Cilow AI   United States (Remote)
AI Intern   Sep 2025 - Nov 2025

- **Founding AI Engineer Intern** at a venture-backed AI infrastructure startup focused on persistent memory and context engines for agents.
- **Contributed to product demonstration and technical narrative** by developing materials to showcase core platform capabilities.
- **Gained experience** within a production technology stack including **Rust**, Kubernetes, and custom **vector/graph databases**.

Kortix AI (Suna)

Open Source Contributor

- Contributing to the **Suna agent framework's infrastructure**, focusing on **Python packaging** and build system stability.
- Refining **build configurations** and **dependency resolution** for reproducible developer environments.
- Integrating features through **GitHub Actions CI/CD**, following **version control** and **automated testing** standards.

PROJECTS

RepoBot AI GitHub | Live Demo

- **Engineered** a GenAI web app using **Flask** and **Groq AI** to analyze **500+ GitHub files**, improving code comprehension via a conversational agent.
- **Built** a semantic search system with **ChromaDB** and **Hugging Face embeddings**, enabling accurate retrieval across **400+ code chunks**.
- **Automated** an end-to-end **RAG pipeline** for repo ingestion and vector storage, boosting processing efficiency by **30%**.
- Enhanced query context by integrating a memory-augmented agent for dynamic, context-aware code explanations.

End To End Food Delivery Time Prediction GitHub | Live Demo

- **Developed** and **deployed** an **XGBoost regression model** to predict food delivery ETAs, aimed at optimizing logistics and reducing average delivery time by **15%**.
- **Executed** comprehensive **data cleaning** and **feature engineering**; addressed **outliers**, **missing values**, and **multicollinearity** to improve dataset quality.
- **Evaluated** and tuned multiple algorithms (**Linear Regression**, **Decision Trees**, **Random Forest**); optimized **XGBoost** to achieve an **R-squared of 0.82** and **RMSE of 3.98** on test data.
- **Deployed** the final model as an interactive web application using **Streamlit**, allowing for real-time delivery time predictions.

Airline Passenger Referral Program Development GitHub | Live Demo

- **Built a classification model** to predict passenger referral likelihood, addressing key business objectives for improving **customer retention and satisfaction**.
- **Mitigated class imbalance** using **SMOTE oversampling** techniques and handled missing data through advanced imputation strategies.
- **Achieved 87% accuracy** and **85% precision** for the positive class (referral) using a **Random Forest** classifier.
- **Deployed** the model with **Streamlit** for business user interaction, with analysis indicating a potential to **increase referral rates by 20%**.

EDUCATION

B.Tech, Computer Science & Eng. (Sandip University, Nashik) | CGPA: 8.3/10 | 2022-2025
Diploma, Computer Technology (MVPS's RSM Polytechnic) | Score: 82% | 2020-2022

CERTIFICATIONS

Career Essentials in Data Analysis (Microsoft & LinkedIn)
Complete Machine Learning, NLP Bootcamp, MLOPS & Deployment (Krish Naik, Udemy)