Shreyash Jambhulkar

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EDUCATION

Vishwakarma Institute of Technology, Pune Aug 23 - May 27
B.Tech Information Technology *Current CGPA: 8.93*

Funde Science Jr.College, Gondia, India 2023
HSC *Percentage: 79.87*

SKILLS

Programming Languages: C, C++, Java, Python, SQL
Web-Development: HTML, CSS, JS, REST APIs, UI/UX, Flask
Tools: GitHub, PostMan, MongoDB Atlas
Data Analysis: Exploratory Data Analysis, Feature Engineering, ML

PROJECTS

BookWellCare —Html, Css, Javascript, MUI, Firebase OTP, Razorpay, REST APIs

- Developed a full-stack healthcare platform enabling patients to book doctor appointments and manage medical reports online
- Integrated Firebase OTP for secure user authentication and Razorpay for seamless online payments
- Implemented RESTful APIs and Multer for efficient report upload, storage, and retrieval

Agri-Connect — Html, Css, Javascript, Machine Learning, Python Firebase

- Designed and developed a multilingual, mobile-first web platform to connect Indian farmers with farming machine owners and agricultural services.
- Integrated features including real-time grain market prices, localized weather forecasting, and Krishi Kendra (agricultural center) information.
- Employed hybrid ML models (LSTM, ARIMA, XGBoost, Random Forest) for yield prediction, weather analysis, price trends, and fraud detection
- Ensured high accessibility for rural users through responsive design, offline support, caching mechanisms, and language localization optimized for low-bandwidth environments

Spare Parts Demand Forecasting — Python, XGBoost, Random Forest, LSTM, SARIMA

- Developed and evaluated forecasting models for military spare parts using XGBoost, Random Forest, LSTM, and SARIMA to improve inventory planning accuracy.
- Preprocessed time-series consumption data and focused modeling on the highest-frequency spare part to mitigate limited data constraints.
- Conducted hyperparameter tuning and cross-validation; XGBoost and Random Forest achieved near-perfect R^2 scores, outperforming deep learning models.
- Built an inventory control model to calculate demand rate, safety stock, and reorder points for optimal procurement.

ACHIEVEMENTS

Finalist at E-Summit Design Odyssey, IIT Indore
Completed Level 1 Workshop by The Robotic Forum (TRF), VIT