

Shreepaada M C

B.Tech Computer Science Engineering

+91 6360271157
shreepaadamc2003@gmail.com
linkedin.com/in/shreepaada-mc
github.com/shreepaada
shreepaada-m-c-portfolio.vercel.app

EDUCATION

Dayananda Sagar University, Bangalore
B.Tech, Computer Science and Engineering
2021 – 2025

WORK EXPERIENCE

UX Designer Intern – Klart'Digi (Klartopedia ERP) Jan 2025 – Jul 2025

- Redesigned academic results and student ratings layouts to fit all Syncfusion charts on a single page without scrolling, while creating adaptable wireframes for school-specific result formats
- Developed reusable **Angular + Syncfusion** components for attendance, academic results, and student ratings, improving UI consistency and accelerating module development
- Developed reusable HTML/CSS templates to automate rank card and fee receipt generation, creating school-specific layouts for **8 schools** and eliminating manual document formatting
- Re-architected PDF generation by moving Syncfusion exports from the frontend to a **Node.js + Puppeteer** backend, cutting document generation latency by **70% (10s → 3s)**

Web Development Intern – Vertotech Aerospace Jul 2023 – Sep 2023

- Developed the company's UAV product showcase website using **Next.js and TypeScript**, featuring the Sniper-S1A and Tri-Copter Aetheris Variant 1A, with interactive **Framer Motion** animations

PROJECTS

AgroVision – Precision Farming Insights Using AI

Google Earth Engine (MODIS NDVI), ISRIC SoilGrids, NASA POWER, LightGBM, Python, Flask, React + TypeScript, GIS

- Built a crop-suitability system to help farmers identify suitable crops for a location based on soil, climate, and vegetation conditions
- Integrated satellite NDVI, SoilGrids, and NASA POWER data into a geospatial pipeline,

training **LightGBM** for **22 crops** with **95.9% validation accuracy** and deploying recommendations through Flask and React + TypeScript

Formula-1 Race Winner Prediction System

*Python, Pandas, XGBoost, CatBoost, Optuna, Flask, React (Vite), joblib –
github.com/shreepaada/f1-winner-prediction*

- Built a race-winner prediction system to estimate driver win probabilities using historical race, driver, and constructor performance data
- Engineered **36 features** from **11 datasets** (1950–2024), trained and tuned **XGBoost and CatBoost** with GridSearchCV and Optuna, achieving **ROC-AUC $\approx$ 0.983** and deploying predictions through Flask and React

Retail Demand Forecasting & Inventory Intelligence

Python, Pandas, XGBoost, LightGBM, Flask, React, Time-Series Forecasting

- Built a retail demand forecasting system to predict next-day sales for individual stores and product families, supporting inventory planning
- Engineered calendar, promotion, lag, and rolling-window features and trained a tuned **LightGBM** model achieving **0.3763 RMSLE**, deployed through Flask with a React + TypeScript dashboard

SKILLS

AI & ML: NumPy, Pandas, Matplotlib, Scikit-learn, PyTorch, XGBoost, CatBoost, LightGBM, Feature Engineering

Languages & Tools: Python, JavaScript, TypeScript, SQL, Git, GitHub, Vercel

Frontend: React, Next.js, Angular, HTML, CSS, Tailwind CSS, Framer Motion

Backend: Node.js, REST APIs, MySQL, Flask

AWARDS & CERTIFICATIONS

- Published a research paper at IEEE ICCAMS 2025
- Secured 3rd place in an Inter-College Hackathon
- Earned the Google UX Design Professional Certificate