Om Kshirsagar

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Professional Summary

Software Developer with hands-on experience in developing web, desktop, mobile, and machine learning applications using Python, Django, React.js, Tauri, Flutter, and TensorFlow. Developed a Housing Redevelopment Feasibility System to automate redevelopment calculations, project analysis, and professional PDF report generation. Passionate about building scalable software solutions and solving real-world problems through technology.

Education

Fr. C. Rodrigues Institute of Technology (FCRIT), Vashi Nov. 2022 – May 2026
Bachelor of Engineering in Information Technology *Navi Mumbai, MH*

St. Mary's Junior College, Vashi 2022
Higher Secondary Certificate (HSC) *Navi Mumbai, MH*

Swami Vivekanand Sankul, Sanpada 2020
Secondary School Certificate (SSC) *Navi Mumbai, MH*

Technical Skills

Languages: Python, JavaScript (react), Dart, SQL, HTML5, CSS3
Frameworks & Libraries: React.js, Tauri, Flutter, Django, Tailwind CSS, Context API, Streamlit, TensorFlow, Scikit-learn
Tools & Platforms: Git, GitHub, VS Code, Android Studio, Google Colab, Vite

Experience

Sankalp Project Management Consultants Pvt Ltd March 2026 – Present
Software Developer *Navi Mumbai, MH*

- Built a Housing Redevelopment Feasibility System in React.js and Tailwind CSS, replacing manual spreadsheet-driven analysis that was slow to prepare and error-prone to revise.
- Developed modules for project information, FSI planning, parking, financial analysis, and report generation as reusable React components sharing state through Context API, evaluating a full scenario in one pass rather than across separate workbooks.
- Audited live Excel feasibility models, correcting formula errors in contingency, municipal dues, and escalation figures before results reached society members.

Projects

Web-Based Hospital Management & Information System | *Python, Django, DjangoORM, SQLite, Bootstrap, xhtml2pdf*

- Built a full-stack Django web application replacing manual, paper-based hospital records with one system covering appointments, discharge, and billing for admin, doctor, and patient roles.
- Implemented authentication and role-based access control using Django Groups so each role reaches only its own data, enforced at the view layer rather than by hiding UI elements.
- Developed appointment booking with server-side validation, automated discharge billing into PDF invoices via xhtml2pdf, and symptom-to-specialization matching so patients reach the right doctor.

Hybrid Stock Market Prediction System | *Python, TensorFlow, XGBoost, Streamlit, FinBERT, Pandas, Scikit-learn*

- Built a prediction system combining technical, fundamental, and sentiment analysis to cover the blind spots of single-signal models that ignore market news.
- Implemented LSTM and XGBoost models over technical indicators to capture both sequential price patterns and non-linear feature interactions.
- Integrated FinBERT over financial news with live Yahoo Finance data and surfaced forecasts through a Streamlit dashboard usable by non-technical users.

Food Inventory & Expiry Management System | *Flutter, Dart, Hive, Google ML Kit, ESP32, OpenFoodFacts API*

- Built a Flutter mobile application that tracks household food stock and warns users before items expire, reducing avoidable food waste.
- Integrated barcode scanning and ML Kit OCR to read expiry dates from packaging, removing manual data entry as a barrier to daily use.
- Implemented Hive local storage for full offline operation with scheduled expiry notifications, and connected an ESP32 module for real-time storage condition monitoring.