Tanishq Rajendra Chavan

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B.Tech student with a foundation in Backend Development. Eager to contribute to innovative projects while continually expanding knowledge in Backend technologies/ML.

EDUCATION

- **Vidyalankar Institute of technology**, Mumbai Btech in Information Technology; 2023-27
- **St.Xaviers Jr.College , Navi-Mumbai. Grade:-81.33%**

SKILLSET & TOOLSET

- **Programming Language:** Python, JavaScript, TypeScript
- **Tools/Libraries**: Tailwind CSS, React, Next.js, Node.js, Nest.js, TypeORM, Express.js, AWS
- **Database:** PostgresSQL, MongoDB, Supabase

EXPERIENCE

- **Google Developer Group** Vidyalankar Institute of technology ● Technical Lead

PROJECTS

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1. **Wanderlust** — (Node.js, Express.js, MongoDB, EJS, Passport.js, Cloudinary, Mapbox)

- Developed a full-stack property rental web app similar to Airbnb with interactive
- maps and image galleries.
- Implemented RESTful APIs with CRUD operations for property listings.
- Integrated Cloudinary for image uploads and Mapbox for mapping features.

2. **Attendance Manager** — (React, Node.js, Express, MongoDB, Passport.js, Recharts, Web Push)

- Developed a full-stack web app for timetable management, attendance tracking, analytics visualization, and push reminders.
- Integrated Recharts for attendance analytics and dashboard visualizations.
- Developed push notification scheduler using web-push and VAPID keys for daily reminders.

3. **Inventory Management System** —
(Next.js,Shad.cn, NestJS, GraphQL, TypeORM, PostgreSQL)

- Built a full-stack inventory management platform for managing products, suppliers, shipments, and transactions with role-based access.
- Designed database schema and entities; implemented GraphQL resolvers and services using NestJS, TypeORM, and PostgreSQL.

4. Multiple Disease Prediction Web Application —
(Python, Streamlit, scikit-learn, XGBoost, CatBoost, ReportLab)

- Built an ML-powered web app to predict 8+ diseases (e.g., diabetes, heart disease, Parkinson's) from medical data.
- Developed robust ML pipelines with feature engineering, target encoding, and SMOTETomek resampling for class imbalance.
- Trained and compared 10+ models, selecting top performers through ensemble stacking .
- Designed a Streamlit multi-page UI for real-time predictions and added YAML-based config for easy dataset integration.