

Suryansh

1st Year Engineering Student

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SUMMARY

First-year AI & Data Science engineering student with hands-on experience building production-grade ML applications and full-stack web projects. Passionate about the intersection of machine learning and scalable web architecture, with a focus on delivering end-to-end solutions from data pipelines to interactive frontends.

EDUCATION

Lokmanya Tilak College of Engineering (LTCE)

B.S. in Engineering (Artificial Intelligence & Data Science)

Navi Mumbai, India

2024 – Present

Maharashtra State Board

Higher Secondary Education

Mumbai, India

Completed 2024

PROJECTS

NaviPriceAI — Real Estate Predictor | *FastAPI, Next.js, Scikit-Learn*

2024

- Engineered an end-to-end Machine Learning web application to predict property prices in Navi Mumbai.
- Implemented a Gradient Boosting Regressor achieving 84% accuracy on a dataset of 2,450+ property listings.
- Built a responsive Next.js frontend featuring real-time price predictions and a polished, animated UI.
- Designed a RESTful API backend using FastAPI for low-latency, high-performance model serving.

Real Estate Data Pipeline | *Pandas, NumPy, Scrapy*

2024

- Architected a custom ETL pipeline for cleaning and processing large-scale Mumbai property market data.
- Automated detection and treatment of missing values and outliers across categorical and numerical features.
- Produced clean, structured datasets enabling downstream feature engineering for property valuation models.

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, HTML/CSS

Frameworks: Next.js, React, FastAPI, Flask

Libraries: Scikit-Learn, Pandas, NumPy, Matplotlib, Framer Motion

Tools: Git, Docker, Render, Vercel, VS Code, Overleaf