Jaimish Satani

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EDUCATION

Charotar University of Science and Technology (2022-2026)
- B.Tech – Computer Science and Engineering
- CGPA: 9.19/10.0

Ultra Vision Academy (2020-2022)
- HSC(GSEB) − 97.32 PR

EXPERIENCE

INTERNPE   **May 2024-June 2024**

- **Technologies:** Python, Scikit-Learn, TensorFlow, NumPy, Pandas, OpenCV, Matplotlib, Flask, Streamlit.
- Implemented machine learning models for predictive analysis, achieving a **15% increase in accuracy** through hyperparameter tuning and feature engineering.
- Executed a Breast Cancer Detection model using Machine Learning, achieving **95% classification accuracy** with SVM and Random Forest, enhancing early detection efficiency.

PROJECTS

IntelliStock – AI-Powered Stock Market Analysis Tool   **Link**

Tech Stack: Python, Flask, React.js, Pandas, scikit-learn, yFinance API, JWT Authentication, Chart.js

Duration: December 2024 – February 2025

- Built an AI-powered job portal that helps job seekers find the best opportunities by analyzing their resumes using NLP and Machine Learning.
- The system automatically extracts key skills and matches candidates with the most relevant job listings. It includes secure authentication (JWT), job tracking, and an intuitive dashboard, Streamlining job searching and hiring through intelligent automation and intuitive design.

AI-Powered Job Portal   **Link**

Tech Stack: MERN (MongoDB, Express.js, React.js, Node.js), Python, NLP, Scikit-learn, Flask

Duration: May 2024 – September 2024

- Designed and developed a data-driven stock analysis platform that provides users with real-time insights, predictive analytics, and visualizations.
- Implemented secure JWT-based user authentication, dynamic stock dashboards, and historical data visualization using Chart.js. Integrated yFinance API to fetch live market data and built machine learning models for trend prediction and portfolio suggestions.

TrendKart – E-Commerce Platform   **Link**

Tech Stack: MERN (MongoDB, Express.js, React.js, Node.js), Redux, Stripe API, JWT Authentication

Duration: November 2023 – March 2024

- Developed a scalable e-commerce platform enabling seamless product browsing, cart management, and secure payments.
- Implemented user authentication (JWT), admin dashboards, and order tracking for an enhanced shopping experience. Integrated Stripe API for payment processing and optimized database queries for improved performance.

SKILLS

Languages: Python, Java, C++, JavaScript, C
Backend : Node.js, Express.js
Frontend : HTML, CSS, Bootstrap, React.js
Databases: MongoDB, SQL
AI/ML: Machine Learning, Deep Learning, Neural Networks, TensorFlow, Keras, Scikit-learn, OpenCV, NLP

ACHIEVEMENT

1st- Runner-Up -Techathon 2025

- Secured 2nd place in a Techathon for developing a **B2B Energy Optimization model** using AI/ML techniques. Focused on optimizing **energy demand and operational efficiency** for power plants. Incorporated both **traditional and renewable energy** sources for a hybrid optimization approach.

PUBLICATION

Deep Transfer Learning-Based Brain Tumor Classification Using Fine-Tuning Approach *(Under Review)*