

Mrunmayee Phadtare

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EDUCATION

Vellore Institute of Technology, Bhopal

B.Tech in Computer Science (Health Informatics) | CGPA: 8.95

2022-2026

Vikas The Concept School, Hyderabad

Class XII, CBSE | Percentage: 85.6%

2021

Class X, CBSE | Percentage: 95.4%

2019

SKILLS

- Languages: Python, Java, C++, JavaScript
- Frontend: React.js, HTML, CSS, Tailwind CSS
- Backend: Flask, Node.js, REST APIs, JWT Authentication
- Databases: MongoDB, MySQL
- Tools: Git, VS Code, Postman
- Data & Analysis: Pandas, NumPy, Data Visualization, API Integration

PROJECTS

DataCleanser – Full-Stack Data Cleaning Web App | 2025

- Built a **scalable CSV data inspection and transformation engine** with React + Flask, ensuring correctness via functional abstractions in Pandas.
- Designed **REST APIs for parsing, imputation, and statistical summarization**, optimized for large datasets.
- Secured user sessions with **JWT authentication and token blacklisting**, enforcing data integrity and safe access control.

Task Manager App – MERN Stack Task Management System | 2025

- Engineered a **responsive task management platform** using the **MERN stack**, enabling task creation, progress tracking, and automated status updates for multiple users.
- Built and integrated **RESTful APIs** for authentication, task CRUD operations, and report generation, enhancing data-driven insights and collaboration.
- Designed **interactive dashboards** with React, Recharts, and Tailwind CSS for real-time analytics on task priority and completion rates.

StockSense – AI-Powered Stock Trading App | 2025

- Built an interactive financial dashboard with **React.js, Node.js, MongoDB, and Tailwind CSS** to deliver stock insights.
- Integrated **WebSockets** for low-latency live stock updates and **REST APIs** for trade execution and user data handling.
- Applied **time-series forecasting** to generate trend predictions and actionable trading insights using historical price data.
- Designed a **microservices-based architecture** enabling CI/CD deployment and horizontal scaling for high-traffic workloads..

ACHIEVEMENTS AND LEADERSHIP

- Certified in NPTEL “*Introduction to Artificial Intelligence*” (IIT Madras, 2024).
- Collaborated in **hackathons**, delivering full-stack solutions under tight deadlines.
- Core Member, *Vitronix Club (IoT & Robotics)* — led design initiatives and supported technical events.

CERTIFICATIONS

- Introduction to Artificial Intelligence | NPTEL – IIT Madras (2024)
- FullStack development with MongoDB | SmartBridge(2025)
- GENAI using WatsonX | IBM(2025)