Mrunmayee Phadtare

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EDUCATION

Vellore Institute of Technology, Bhopal   2022-2026
*B.Tech in Computer Science (Health Informatics) | CGPA:**8.94***

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, SQLite
- Tools: Git, VS Code
- Architecture: MVC, Microservices, Scalable & Responsive Systems

PROJECTS

DataCleanser – Full-Stack Data Cleaning Web App *| 2025*
- Developed a dynamic CSV data inspection and transformation platform using **React (TypeScript)** and **Flask**.
- Engineered **RESTful APIs** with **Pandas** for efficient data parsing, statistical analysis, and missing value imputation.
- Implemented robust **JWT-based authentication** with token blacklisting and session management to secure user data.
- Designed a clean, responsive UI with **Bootstrap**, adhering to scalable **MVC architecture** principles.

PhishNet – Real-Time Phishing Website Detection | *2024*
- Delivered a phishing detection system leveraging **Flask REST API** and a custom **HTML/CSS/JavaScript** frontend.
- Constructed a real-time URL prediction pipeline powered by **XGBoost ML models**, achieving high detection accuracy.
- Modularized **feature extraction**, **ML logic**, and frontend components to ensure **maintainability** and **scalability**.

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 market data streaming and implemented **RESTful APIs** to handle transactions and user authentication.
- Applied **time-series forecasting algorithms** for price trend prediction and generated buy/sell signals using historical data analysis.
- Developed portfolio tracking, sentiment analysis from news APIs, and designed a modular **microservices architecture** to facilitate **CI/CD readiness** and **horizontal scaling**.

ACHIEVEMENTS AND LEADERSHIP

- Ranked in the **top 1.7% qualifiers** in NPTEL *"Introduction to Artificial Intelligence"* (IIT Madras, 2024).
- Collaborated in **multiple national-level hackathons**, delivering Java and full-stack solutions under tight deadlines.
- Core Member, *Vitronix Club (IoT & Robotics)* — led design initiatives and supported technical events.
- Solved **300+ problems on LeetCode**, strengthening Data Structures and Algorithms problem-solving skills.

CERTIFICATIONS

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