

# Mrunmayee Phadtare

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## Professional Summary

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Analytical and detail-oriented Computer Science student specializing in **Health Informatics** with hands-on experience in building **data-driven systems and workflow automation tools**. Skilled in applying **statistical analysis, data quality management, and predictive modeling** to improve decision-making and operational efficiency.

## Education

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Vellore Institute of Technology, Bhopal	2022-2026
B.Tech CSE with specialization in Health Informatics	CGPA: <b>8.94</b>

## Technical Skills

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**Data & Analytics:** Data Cleaning, Statistical Analysis, Time-Series Forecasting, Predictive Modeling

**Programming & Tools:** Python, SQL, Java, C++, Git

**Concepts:** Process Automation, Risk Reduction, Scalable Systems

**Soft Skills:** Analytical Thinking, Problem-Solving, Collaboration, Communication

## Projects

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### StockSense – AI-Powered Stock Trading App | 2025

- Streamlined workflows by automating anomaly detection for **100MB+ CSV datasets**, cutting manual effort by **60%**.
- Delivered APIs for parsing, missing value imputation, and statistical summaries, enabling adoption by **50+ users**.
- Designed a responsive interface to simplify validation, allowing **non-technical users to check data 40% faster**.
- Integrated **live market feeds** and sentiment analysis from **100+ news sources**.

### DataCleanser – Full-Stack Data Cleaning Web App | 2025

- Streamlined workflows by automating anomaly detection for **100MB+ CSV datasets**, reducing manual effort by **60%**.
- Delivered APIs for parsing, missing value imputation, and statistical summaries used by **50+ test users**.
- 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

- Engineered a risk detection pipeline processing **1,000+ URLs/second**, achieving **>90% accuracy**.
- Automated enterprise-scale monitoring with modular APIs, reducing phishing exposure risk by **30%**.
- Optimized system design for **scalability and maintainability** across security use cases.

## Positions of Responsibility and Hackathons

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### Core Member, Design Team — Vitronix Club(IoT & Robotics)

- Directed branding & design for **10+ technical events**, boosting participation by **40%**.
- Coordinated with **5+ cross-functional teams** to deliver campaigns under tight deadlines.

**Smart India Hackathon (SIH) 2024 — Sanskriti Dhara App:** Designed a cultural heritage learning app using **React Native & Firebase**, integrating **20+ digital archives** and interactive storytelling modules.

**NPTEL Artificial Intelligence Certification (IIT Madras, 2024):** Ranked in the **top 170 of 10,000+ candidates**, reflecting strong analytical skills.

## Certifications

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- IBM Generative AI | IBM (2025)
- Artificial Intelligence | NPTEL – IIT Madras (2024)
- Web Development (HTML/CSS/JS) | Johns Hopkins University (2023)
- FullStack development with MongoDB | SmartBridge(2025)