

# Mrunmayee Phadtare

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## PROFESSIONAL SUMMARY

Analytical and detail-oriented Computer Science student specializing in Health Informatics, with hands-on experience developing data-driven applications, ML-based detection systems, and workflow automation tools. Skilled in statistical analysis, data preprocessing, feature engineering, and predictive modeling.

## EDUCATION

### VIT Bhopal University

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

Bhopal

*Sept. 2022 – May 2026*

### Vikas The Concept School

*Senior Secondary (12th grade) , CBSE: 85.6*

Hyderabad

*2021*

### Vikas The Concept School

*Secondary (10th grade) , CBSE: 95.4*

Hyderabad

*2019*

## TECHNICAL SKILLS

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

**Programming & Tools:** Python (Pandas, NumPy, Scikit-learn, Matplotlib, Flask), SQL, Java, C++, Git

**Data Engineering & Automation:** REST APIs, ETL Workflows, Celery-Redis (Async Tasks)

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

## PROJECTS

### StockSense – AI-Powered Financial Analytics Platform | React.js, Node.js, Python, MongoDB

2025

- Built a real-time dashboard tracking 50+ stock tickers with forecasting, portfolio insights, and automated alerts.
- Applied time-series forecasting models (ARIMA, ensembles) improving buy/sell signal accuracy by 20%.
- Incorporated market-stream data with sentiment signals to strengthen prediction outcomes.
- Engineered scalable backend services with CI/CD pipelines achieving low data latency.

### DataCleanser – Data Cleaning & Quality Automation System | React, Flask, Pandas, Celery

2025

- Automated parsing, anomaly detection, and imputation for large CSVs, reducing manual effort by 60%.
- Leveraged Celery-Redis task queues to accelerate heavy data operations by 3×.
- Produced REST endpoints offering schema validation and statistical insights for application users.
- Enforced secure access with JWT authentication, token blacklisting, and session-level controls.

### PhishNet – Real-Time Phishing URL Detection System | Flask, MySQL, Python, XGBoost

2024

- Trained an XGBoost classifier achieving over 90% accuracy with sub-150ms inference time.
- Engineered a high-throughput analysis pipeline enabling smooth, continuous URL evaluation.
- Established modular threat-monitoring APIs that reduced phishing exposure by 30%.

## ACHIEVEMENTS

**Smart India Hackathon (SIH) 2024 — Sanskriti Dhara App:** Built a React Native-Firebase cultural heritage app integrating 20+ digital archives. Cleared the internal round where only 60 teams advanced.

**NPTEL Artificial Intelligence Certification — IIT Madras, 2024:** Only 170 certified among 10,000+ candidates nationwide.

**Vitronix Club :** Design Team Member contributing to UI/UX and visual assets.

## CERTIFICATIONS

**IBM Generative AI using WatsonX | IBM, 2025**

**Databases for developers: Foundations | Oracle, 2024**

**FullStack Development with MongoDB | SmartBridge, 2025**