

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