

Mrunmayee Phadtare

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PROFESSIONAL SUMMARY

Computer Science undergraduate specializing in Health Informatics with strong hands-on experience in Python-based AI/ML development, data preprocessing, and model deployment. Skilled in EDA, feature engineering, predictive modeling, and building REST APIs. Passionate about translating lab-grade ML models into scalable solutions.

EDUCATION

VIT Bhopal University

B.Tech in Computer Science (Health Informatics) , CGPA : 8.94

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

Machine Learning & Analytics: EDA, Statistical Analysis, Time-Series Forecasting, Predictive Modeling

Languages & Frameworks: Python (Pandas, NumPy, Scikit-learn, Matplotlib, Flask), SQL, Git

Data Engineering & Systems: REST APIs, ETL Workflows, Redis (Async Tasks)

Coursework: Machine Learning, Data Mining, Probability & Statistics, Database Management Systems, Data Structures & Algorithms

PROJECTS

PhishNet – Real-Time Phishing Detection | Python, Flask, XGBoost

2024

- Developed a real-time inference pipeline around an XGBoost model, achieving 90%+ accuracy on test evaluations.
- Structured a Flask-based REST API delivering instant URL threat scoring through a responsive web frontend.
- Modularized feature extraction into lexical, domain, and behavior components for scalable updates.

DataCleanser – Data Preprocessing Automation | Python, Flask, Pandas, Redis

2025

- Constructed an ETL workflow for large CSV datasets automating imputation, outlier fixes, and transformations.
- Added statistical profiling and anomaly detection modules improving dataset readiness by 60%.
- Designed an interactive web interface supporting rapid inspection, cleaning, and schema validation.
- Implemented Redis-backed async processing with Flask APIs, achieving 2× faster execution..

StockSense – AI-Powered Stock Trading App | React, MongoDB, Time-Series Models

2025

- Built a real-time dashboard tracking 50+ stocks with forecasting, portfolio insights, and automated alerts.
- Applied time-series forecasting models (ARIMA, ensembles) improving buy/sell signal accuracy by 20%.
- Integrated WebSocket-powered live news streams to deliver continuous market updates to users.
- Engineered a scalable backend supporting model endpoints, real-time data delivery, and low-latency user interactions.

ACHIEVEMENTS

Smart India Hackathon (SIH) 2024: Led a 4-member team to build a data-driven mobile application; shortlisted among the top 60 teams in the internal round.

NPTEL Artificial Intelligence Certification: Ranked among the top ~2% nationwide (170 / 10,000+).

CERTIFICATIONS

IBM Generative AI using WatsonX — IBM, 2025

Data Analytics: Deloitte — Forage, 2025

BCG Data Science Job Simulation— Forage, 2025