Mrunmayee Phadtare

9966249911 | mrunmayeeph@gmail.com | [linkedin](#) | github.com/mrunmayeeph

PROFESSIONAL SUMMARY

Computer Science student specializing in Health Informatics, with hands-on experience in building ML-driven systems, automation workflows, and intelligent processing pipelines. Proficient in statistical methods, preprocessing techniques, feature design, and predictive model development.

EDUCATION

VIT Bhopal University   Bhopal
B.Tech in Computer Science (Health Informatics) , CGPA : 8.95   *Sept. 2022 – May 2026*

Vikas The Concept School   Hyderabad
Senior Secondary (12th grade) , CBSE: 85.6   *2021*

Vikas The Concept School   Hyderabad
Secondary (10th grade) , CBSE: 95.4   *2019*

TECHNICAL SKILLS

Machine Learning & Analytics:: EDA, Statistical Analysis, Time-Series Forecasting, Predictive Modeling
Languages & Frameworks:: Python (Pandas, NumPy, Scikit-learn, Matplotlib, Flask), SQL, Java, C++, Git
Data Engineering & Systems:: REST APIs, ETL Workflows, Celery–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   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 background task execution with Flask APIs and async pipelines, accelerating processing by 2×.

StockSense – AI-Powered Stock Trading App | ARIMA, NLP, Financial APIs   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%.
- Integrated market-stream data with sentiment signals to enhance feature quality and prediction strength.
- Engineered scalable backend services with CI/CD pipelines ensuring consistently low data latency.

ACHIEVEMENTS

Smart India Hackathon (SIH) 2024 Led a 4-member team creating a React Native–Firebase app featuring 20+ digital archives, progressing to the internal shortlist of 60 teams.
NPTEL Artificial Intelligence Certification: 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*

Introduction to Artificial Intelligence | *NPTEL, 2024*

Databases for Developers: Foundations | *Oracle, 2024*