Shikhar Srivastava

+91 96530 57385 sshikhar863@gmail.com github.com/yourgithub
shikhar-srivastava-b0b815251
Lucknow, India

EDUCATION

VIT BHOPAL UNIVERSITY | B.Tech in CSE (AI & ML)
2022 – 2026 | CGPA: 8.84/10
Relevant Coursework: Deep Learning, Probabilistic ML, Feature Engineering, Data Science

DABBLE COLLEGE, LUCKNOW | ISC - Class XII (PCM)
2022 | Score: 95%

LUCKNOW PUBLIC SCHOOLS AND COLLEGES, LUCKNOW | ICSE - Class X
2020 | Score: 93.8%

WORK EXPERIENCE

HCLTECH | Junior ML Intern
Aug 2024 – Oct 2024 | Lucknow

- Designed a stock forecasting pipeline using Gradient Boosting, Random Forest, and AdaBoost, achieving R^2 of 0.96 and RMSE under 1.3×10^{-7}.
- Engineered features from technical indicators and social sentiment (Twitter), improving prediction accuracy in multi-stock portfolio analysis.

NATIONAL INFORMATICS CENTRE | Project Intern
Nov 2024 – Dec 2024 | Lucknow

- Developed a case filing application for district courts, enabling users to enter AOR numbers to access case details and submit complaints.

OPEN SOURCE CLUB, VIT BHOPAL | Team Lead (App Dev)
Aug 2023 – Present

- Mentored 25+ students on Git, Feature Engineering, and ML best practices.
- Led the club's recruitment drive and open-source contribution initiatives.

PROJECTS

REAL-TIME HOSPITAL RESOURCE MANAGEMENT | Hackathon Winner (SOLVIT '25)

- Built a Streamlit dashboard with an ARIMA + XGBoost ensemble for ICU bed demand forecasting.
- Integrated real-time queue updates using Firebase, reducing average patient wait time by 22%.

AI-BASED EDGE INFERENCE SYSTEM FOR PEST DETECTION | Hackathon Winner – TechTrack Case Battle '25, NIT Bhopal

- Developed an end-to-end pest detection system with synthetic data, engineered features, and a stacking ensemble that performed robustly under noisy labels.
- Exported the final model to ONNX and deployed it on a Jetson device for edge inference and real-time agricultural alerts.

PUBLISHED RESEARCH: POTATO DISEASE DETECTION | Research Publication

- Published a paper in the International MAI Conference (NIT Bhopal) proposing a novel model combining Fixed Boundary Empirical Wavelet Transform (FBEWT) with a customized VGG network for early potato leaf disease classification.
- Achieved 94% classification accuracy using Random Forest on FBEWT-enhanced image features.

SKILLS

PROGRAMMING
Proficient: Python • Java • Feature Engineering • ML Training
Familiar: C++

ACHIEVEMENTS

- 1st Place – SOLVIT Hackathon ’25
- Winner – TechTrack Case Battle ’25
- Top 8 – HackerEarth ML Challenge
- Smart India Hackathon (SIH) ’23 & ’24 – Internal Finalist