

Shikhar Srivastava

Lucknow, India  
B.Tech in Computer Science and Engineering

+91 96530 57385  
sshikhar863@gmail.com  
github.com/Shikhar8765  
linkedin.com/in/shikhar-srivastava-bob815251

EDUCATION

- VIT Bhopal University

B.Tech — Computer Science and Engineering (CGPA 9.05/10)

2022–2026

Dabble College, Lucknow

ISC — Class XII (PCM) 95%

2022

Lucknow Public Schools, Lucknow

ICSE — Class X 93.8%

2020

EXPERIENCE

- National Informatics Centre (NIC)

Software Development Intern

Lucknow

Nov 2024 – Dec 2024

–Built Flask–MySQL e-filing portal for courts, reducing manual workload 40% across five districts after user interviews.

HCLTech

Machine Learning Intern

Lucknow

Aug 2024 – Oct 2024

–Designed stock-price prediction pipeline (GBR, AdaBoost, RF); achieved  $R^2 = 0.96$  on unseen NSE data.

SELECTED PROJECTS

- Arogyati-Real Time Hospital Resource Management System

Streamlit • ARIMA • XGBoost • Firebase

Winner — SOLVIT '25

2025

–Engineered real-time ICU prediction dashboard reducing 22% wait time across 3 hospitals using ARIMA/XGBoost.

–Integrated Firebase-based intake forms, resource updates, and admin views with role-based routing.

–GitHub Link: [https://github.com/Shikhar8765/SolVIT-B/tree/main/Team\\_60](https://github.com/Shikhar8765/SolVIT-B/tree/main/Team_60)

Swasthya Sanket

Gemini API • Streamlit • Firebase Firestore • ML Model

AIR 4 in CITLX Metaversity Hackathon

2025

–Designed an AI-powered care companion for ASHA workers to assess community and individual NCD risks in rural women.

–Integrated LightGBM community risk model, personalized diet and work plans, and Gemini-based Hindi health assistant chatbot.

–Built interactive Streamlit UI; deployed with real-time model predictions and chatbot query logging.

–GitHub Link: <https://github.com/Shikhar8765/SwasthyaSanket>

Real Time Edge Pest Detection System

PyTorch • ONNX • Jetson Nano

Winner — TechTrack '25

2025

–Deployed CNN model on Jetson Nano using ONNX runtime (<80ms inference); validated sensor-based spray decisions.

–Added SHAP explainability and offline sync from SQLite to Firebase; trained on synthetic noisy data.

Real Time Potato Disease detection using FBEWT and customized VGG

FBEWT • VGG16/19 • Random Forest

Published — MAI Conf.

2025

–Combined FBEWT signal features with VGG embeddings for Random Forest classifier (94% accuracy on 2152 images).

–Validated with ROC, Violin curve plots, and published research detailing FBEWT-VGG hybrid model.

TECHNICAL SKILLS

- Languages: Python, Java,SQL

Frameworks: PyTorch, TensorFlow, Flask, Streamlit

ML / AI: Time-Series, Computer Vision, NLP, Transfer Learning

Tools: Git, Docker, Jupyter, OpenCV

CERTIFICATIONS

IBM Certified Machine Learning Professional (2025)

ACHIEVEMENTS

- Winner — SOLVIT Hackathon 2025

Led 6-member team to 1st place with AI ICU dashboard adopted in 3 hospitals.
- Winner — TechTrack Case Battle 2025

Built Jetson-based edge pest detector, outperformed 85+ teams, interned at Karagre Robotics
- Top 8 — HackerEarth ML Challenge 2024

Ranked top 2% out of 3,000+ via MAE-reducing ensemble forecasts
- Finalist — Smart India Hackathon 2023 & 2024

2-time finalist (top 1%) with scalable citizen-service AI solutions