Shikhar Srivastava

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B.Tech in Computer Science and Engineering

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EDUCATION

- **VIT Bhopal University**
  B.Tech — Computer Science and Engineering (CGPA 8.84/10) — 2022–2026

- **Dabble College, Lucknow**
  ISC — Class XII (PCM) 95% — 2022

- **Lucknow Public Schools, Lucknow**
  ICSE — Class X 93.8% — 2020

PROFESSIONAL EXPERIENCE

- **Open Source Club — VIT Bhopal** *Bhopal*
  Team Lead — App Dev Wing — Jan 2024 – Present
  – Promoted from senior contributor after 5 months; recruited and onboarded 15 developers for the club's flagship app, coaching 25 peers overall and lifting code-review pass rate 35%

- **Open Source Club — VIT Bhopal** *Bhopal*
  Senior Contributor — App Dev Wing — Aug 2023 – Present
  – Implemented CI pipelines and shipped two feature modules that cut deployment defects 20%

- **National Informatics Centre (NIC)** *Lucknow*
  Software Development Intern — Nov 2024 – Dec 2024
  – Built Flask–MySQL court-filing portal with secure AOR validation, reducing clerk workload 40% across five districts

- **HCLTech** *Lucknow*
  Machine Learning Intern — Aug 2024 – Oct 2024
  – Designed stock-price prediction service (GBR | AdaBoost | RF) achieving $R^2 = 0.96$ on unseen data
  – Integrated Twitter sentiment and NSE feeds via asynchronous ETL, boosting inference throughput 30%

SELECTED PROJECTS

- **Hospital Resource Mgmt** *Winner — SOLVIT '25*
  Streamlit • ARIMA • XGBoost • Firebase — 2025
  – Deployed ICU-bed predictor; cut wait time 22% across three hospitals using real-time Firestore queues

- **Edge Pest Detection System** *Winner — TechTrack '25*
  PyTorch • ONNX • Jetson Nano — 2025
  – Quantised CNN to ONNX FP16; achieved <80 ms inference and boosted minority-class F1 18% with Focal-Loss

- **Potato Disease Detection** *Published — MAI Conf.*
  FBEWT • VGG • Random Forest — 2025
  – Reached 94% accuracy with hybrid spectral–deep pipeline; open-sourced codebase reached 500 GitHub stars

TECHNICAL SKILLS

- **Languages:** Python, Java, C++, 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 among 120+ entries with AI ICU dashboard adopted by three hospitals and cutting wait times 22%*

- **Winner** — TechTrack Case Battle 2025 *Engineered edge-AI pest-detection solution on Jetson Nano, outperforming 85 teams and earning remote Internship at Karagre Robotics.*

- **Top 8** — HackerEarth ML Challenge 2024 *Ranked top 2% of 3 000+ participants by reducing MAE 18% using stacked ensemble forecasting*

- **Finalist** — Smart India Hackathon 2023 & 2024 *Two-time Internal finalist (<1% acceptance) for scalable AI platforms improving citizen digital services*