

Aditi Shrivastava

📍 Jabalpur, M.P. 📞 +91 9302348921 ✉ 12aditishrivastava05@gmail.com
🌐 linkedin.com/in/aditi-shrivastava-1295aas 🐙 github.com/Aditi9505

PROFILE HIGHLIGHTS

- Top 40 Global in Siemens Immersive Design Challenge 2025 for designing an AI-powered prosthetic with haptic feedback, shortlisted among global teams for innovation and technical depth.
- Strong background in AI/ML with hands-on projects in NLP, Computer Vision, and Deep Learning.
- Solved 400+ DSA problems across LeetCode, Codeforces, and GfG.

EDUCATION

Vellore Institute Of Technology , Bhopal	May 2026 (Expected)
Bachelor of Engineering, Computer Science (AI/ML Specialization)	CGPA: 8.7/10
BIP School, Sihora	Jul 2022
12th, MP Board, 86.5%	
Marthoma Gram Jyoti School, Sihora	Jul 2020
10th, CBSE, 89.2%	

TECHNICAL SKILLS

Languages: Python, Java, C++
ML/DL: TensorFlow, PyTorch, NLP, Computer Vision
Databases/Tools: SQL, Power BI, MS Excel
Core CS: Data Structures and Algorithms (Java), OS, CN, DBMS

PROJECTS

Cardiovascular Disease Prediction using Retinal Images

- Built a deep learning model using CNNs on 5,000+ retinal fundus scans for early CVD detection.
- Improved diagnostic accuracy by 18% compared to traditional clinical risk scoring.
- Implemented automated biomarker extraction pipeline, reducing analysis time by 40%.

AgriHelp: AI-powered Farming Assistant

- Developed an integrated app with features for crop recommendation (92% accuracy), weed detection (90% precision), and irrigation forecasting (MAE \leq 0.15).
- Deployed prototype with 50+ farmers in a pilot study, improving irrigation efficiency by 25%.
- Applied CNNs, regression models, and decision systems, tailored for precision agriculture.

Financial News Sentiment Analysis (FinBERT)

- Fine-tuned FinBERT on 50K+ financial articles, achieving 92% accuracy (15% better than LSTM baseline).
- Built and deployed a Flask-based web app that analyzes 1,000+ news articles daily in real-time.
- Documented findings to fix the three biggest causes of incorrect financial forecasts, using SHAP values to pinpoint vulnerabilities and improve model accuracy.

ACHIEVEMENTS

- Siemens Immersive Design Challenge 2025 – Top 40 Global for AI-powered Prosthetic with Haptic Feedback.
- Elite Certificate – NPTEL (Privacy and Security in Online Social Media).
- Solved 150+ data structures and algorithms problems across platforms like Leetcode, Codeforces, Geeks-forGeeks.
- Applied Machine Learning in Python – Coursera.

ACTIVITIES

- Creative Team Member – Meraki Club (Designed content for 10+ events, boosting engagement by 30%).
- Committee Member – CGCT (Student Welfare Directorate).
- Member – Mathematics Pi Association (organized hackathons with 100+ participants).