

SOMYA MALIK

+91-7599527317 • somyasinghmalik@gmail.com • linkedin.com/in/somya-malik-671458171 •
github.com/somyasinghmalik

SUMMARY

B.Tech CSE (AI/ML) student with hands-on experience in machine learning, full-stack development, and cybersecurity. Currently pursuing advanced ML courses from Stanford, contributing to GSoC 2026 preparation, and solving DSA through Striver's SDE Sheet. Built and deployed MERN-based applications, experimented with LLMs locally, and actively learning via open-source and internships. Seeking impactful mentorship and project opportunities through immersion.

EDUCATION

B.Tech., Computer Science and Engineering (AI/ML)

Vellore Institute of Technology, Bhopal

School of Computer Science and Engineering

Relevant coursework: Data Structures and Algorithms, DBMS, Machine Learning, Deep Learning, Operating Systems, Computer Networks

Graduating Expected May 2027

8.1/10 (projected 8.8)

TECHNICAL SKILLS

Programming: C++, Python, JavaScript

Web Development: MERN Stack (MongoDB, Express, React, Node.js)

Machine Learning / AI: scikit-learn, pandas, NumPy, OpenCV, TensorFlow (basic)

Cybersecurity: Bug Bounty (HackerOne), Kali Linux, Recon, Web Exploits

Tools: Git, GitHub, VS Code, Docker (learning), Linux

MAJOR ACHIEVEMENTS

Advanced ML Learning

2024 – Present

Currently pursuing Stanford's CS229, CS230, and CS234 ML courses to build foundational ML, DL, and RL skills.

- Completed Andrew Ng's Machine Learning course and applied concepts in hands-on projects.
- Maintaining notes and project code for YouTube-based Stanford courses.

Striver's SDE Sheet Practice

2024 – Present

Solving 300+ DSA problems with parallel companion questions for deeper concept mastery.

GSoC 2026 Open Source Prep

2025

Targeting Fortran-based open-source orgs and contributing to repositories with documentation and small PRs.

LLM and AI System Testing

2025

Tested LLaMA, Dolphin LLMs with quantized models on 24GB RAM system, documented trade-offs.

PROJECTS

Pet Care Platform (MERN)

2025

Built and deployed a Firebase-free MERN stack pet adoption platform with user auth and cloud storage.

- Backend in Node.js + Express with MongoDB schemas.
- Frontend in React with responsive design and search filters.

Live Demo (<https://pet-s-paradise.onrender.com/>)

SQL + PL/SQL Employee Database

2025

Created relational schema and procedures for payroll, with triggers, indexing, and exceptions.

Bug Bounty Recon Playbook

2025

Practiced vulnerability testing and automation on HackerOne-style labs using Kali Linux.

EXPERIENCE

Ethnus, Remote: MERN Stack Intern

2024

- Built small apps using React and Node.js with practical assignments.
- Gained exposure to REST APIs, MongoDB, and UI integration.

Microsoft, Remote: Azure Data Fundamentals Virtual Intern

2024

- Completed official Microsoft Azure Data Fundamentals course.
- Learned cloud concepts, big data pipelines, and storage fundamentals.

ACTIVITIES

Bug Bounty Learning (HackerOne)

2025

Practicing recon, testing for basic vulnerabilities (XSS, IDOR, CSRF), and learning report writing.

Organizer, Antrix Astronomy Event

2024

Organized a campus-wide stargazing and solar observation event using telescopes and peephole cameras.

- Facilitated night sky observation of constellations and planets using advanced telescopes.
- Conducted safe solar viewing during the day with a custom-built peephole camera telescope.
- Engaged over 100 students in interactive space science activities.