

Mradul Gupta

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◇ <https://github.com/lamMradul>

Motivated and fast-learning Computer Science student with strong foundations in Python, backend development, and cybersecurity.

Proven experience in building real-time gesture authentication systems, chatbots, and ML pipelines.

Seeking internship opportunities in Cybersecurity, AI/ML, or Backend Development to apply my skills in solving real-world problems.

INTERNSHIP EXPERIENCE

Intern – Cohatch

Jun '25 – Sep '25

- Assisted in backend development and system security analysis for internal tools
- Gained hands-on experience with Flask APIs, Git version control, and debugging production environments
- Collaborated with the engineering team to improve platform reliability and security practices

PROJECT EXPERIENCE

Gesture-Based CAPTCHA System Personal Project

- Built a Flask web app that verifies user gestures using OpenCV and MediaPipe
- Added features: audio prompts, GIF previews, and SQLite-based logging
- Achieved 98% detection accuracy; implemented responsive UI for mobile support

E-Commerce Platform for Traditional & Antique Items

- Full-stack web development
- Emphasize backend, authentication, database design
- Add if you have good backend work (Flask/Django, MySQL, payment integration)

Advanced Fake News Detection

- Built and compared multiple ML and deep learning models (TF-IDF + LR, LSTM, BERT) for classifying fake news
- Deployed model as an API with FastAPI and tested with Postman
- Documented the entire project on GitHub with README and usage examples

EXTRACURRICULARS

Member, Coding Club, Chandigarh University

Volunteer, Tech Awareness NGO

EDUCATION

Bachelor of Technology in Computer Science Engineering, Chandigarh University

- Relevant Courses: Network Security, Python Programming, ML & AI, Data Structures

ACHIEVEMENTS

2nd Rank – University Coding Competition

Finalist – Zinnoavatio Hackathon

PUBLICATION

“Advanced Fake News Detection”

Published at the 3rd International Conference on Intelligent and Secure Engineering Solutions (CISES 2025)

SKILLS

Programming Languages Python, Java, C++, C

Development Tools FastAPI, Git, SQLite, OpenCV, MediaPipe, scikit-learn, pandas, Linux, Postman

Technical Concepts Cybersecurity, Machine Learning, Image Processing, OOP

Interpersonal Skills Leadership, Public Speaking, Collaboration, Time Management

SUMMARY

Second-year B.E. Computer Science student at Chandigarh University with a strong interest in Cybersecurity, Machine Learning, and Backend Development. Skilled in Python, FastAPI, and OpenCV, with hands-on experience building gesture-based authentication systems, multilingual legal chatbots, and fake news detection models.