Mridhav Khajuria

B. Tech in Computer Science and Engineering — AI/ML Focus | Cybersecurity & Systems Enthusiast

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OBJECTIVE

I'm a B. Tech Computer Science student with a passion for AI and Machine Learning—drawn to how intelligent systems can solve real-world challenges, especially in national security and defense. I enjoy exploring how things work under the hood, whether it's writing simple security tools or diving into system design and also am keenly interested in defense hardwares. I'm looking for an opportunity where I can contribute to impactful projects, learn from experienced engineers, and grow into someone who can build tech that truly matters.

EDUCATION

- **B. Tech in Computer Science and Engineering**, VIT Bhopal University
  2026

GPA: 8.06 (up to 5th Semester)

- **High School**, Army Public School, Dhaula Kuan, Delhi
  2022

Achieved 86.6% in CBSE Board Examination

INTERNSHIPS

- **Web Development Intern** {End of 1st Year} **—**

Army Training Command | Duration: 2 Months

– Worked under a disciplined and structured software environment.

– Built interactive frontend pages using HTML, CSS, and JavaScript.

– Gained exposure to backend using PHP and database handling with MySQL on XAMPP.

– Learned to deliver functionality with clarity, structure, and usability.

• **Cybersecurity Intern** {End of 2nd Year} **—**

CyberPeace Foundation | Duration: 1 Months

– Acquired foundational cybersecurity skills including safe web practices and digital threat analysis.

– Worked in virtual environments (Ubuntu) to test and manage secure setups.

– Analyzed suspicious URLs using tools and manual inspection techniques.

– Contributed to VLAN setup on Smart Rack servers and learned basic server security protocols

PROJECTS

• Malware Link Scanner (CLI Tool)

Python, Requests, BeautifulSoup, URL parsing libraries

– Built a Python-based command-line tool to analyze URLs for basic security threats.

– Detects HTTP usage, open redirects, cookie tracking, and suspicious domain traits.

– Designed for fast local use with scope to evolve into browser extension.

• Olympic Medal Prediction Model

Python, Pandas, Scikit-learn, Jupyter Notebook

– Built an ML model to forecast Olympic medal counts using historical country data.

– Focused on preprocessing, feature engineering, and regression techniques.

– Evaluated models and visualized outputs to identify data trends.

• Car Rental Credit System

Flask, Python, HTML, CSS, JavaScript

– Developed a mini-platform simulating car rentals with internal credit-based logic.

– Implemented secure customer record handling and transaction flow.

– Built user-friendly frontend for quick booking and tracking.

Exploratory Learning PROJECTS

• **Face Mask Detection using CNN *(Kaggle-based)***

– Studied CNN architectures using pre-trained models for mask detection.

– Implemented real-time webcam detection with OpenCV and Keras.

– Focused on transfer learning, dataset handling, and model evaluation.

TECHNICAL SKILLS

– **Programming Languages:** Python, Java, HTML, CSS, SQL ***(basic)***
– **Machine Learning & Data Science:** Pandas, NumPy, Scikit-learn, Matplotlib
– **Web Development:** Flask ***(self-taught with online resources)***
– **Currently Learning:** Bootstrap, REST APIs, Linux basics
– **Soft Skills:** Teamwork, Public Speaking, Analytical Thinking, Leadership

ACHIEVEMENTS AND INTERESTS

• Co-head at MUN

– Contributed to organizing and leading Model United Nations sessions, developing skills in communication, teamwork, and negotiation.

• Sports and Extracurriculars

– Regularly engage in activities like golf, basketball, swimming, squash, and horse riding to maintain a balanced lifestyle.

• Personal Interests

– Keen on staying updated with AI and machine learning research, and exploring emerging technologies.