Aksh Patel

📞 +91 9328010328   ✉ akshptel4753@gmail.com   🔗 LinkedIn   ⭘ GitHub   </> Codeforces   🖥 LeetCode

Education

Nirma University   **2023 – 2027**
B.Tech. in Computer Science & Engineering (Minor: Cyber Security)   *Ahmedabad, Gujarat*

- **Current CGPA :** 8.42/10

Technical Skills

Programming Languages: C++, Python
Frontend: HTML, CSS, JavaScript, React.js, Tailwind CSS
Backend: Node.js, Express.js, REST APIs, Socket.IO
Databases: MongoDB, MySQL
Data Science & Machine Learning: NumPy, Pandas, Matplotlib, Scikit-learn
Core Computer Science: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks
Developer Tools & Platforms: Git, GitHub, Linux , Docker, Postman

Projects

AI-Driven Real-Time Threat Detection System ⭘

- **Tech Stack:** Python, Scikit-learn, Pandas, React.js, Chart.js, Node.js, Express.js, MongoDB.
- Built a real-time threat detection system that continuously analyzes security logs to identify suspicious activity.
- Processed raw network data and applied machine learning models to detect anomalies and classify attack types.
- Assigned risk scores to highlight high-impact threats and trigger automated email alerts.
- Developed a React-based dashboard with a global attack map for clear and intuitive threat monitoring.

Real-Time Collaborative Code Editor ⭘   🌐 Live Demo

- **Tech Stack:** React.js, Node.js, Express.js, Socket.IO.
- Built a real-time collaborative code editor that allows multiple users to write and edit code together with live updates.
- Used Socket.IO to synchronize code changes instantly between all connected clients.
- Created a Node.js and Express backend to manage collaboration rooms and real-time events.
- Developed a responsive React interface for seamless multi-user coding experience.

Positions of Responsibility

Software Developer   **2024 – Present**
Cyber Security Club, ITNU   *Ahmedabad, Gujarat*

- Developing and maintaining the club website.
- Actively contributing to technical events & workshops.

Achievements

Codeforces (**Aksh15**): Max Rating 1332 (Pupil).
LeetCode (**aksh_158**): Max Rating **1717** (Top 11.75%).
Ranked among **Top 10** in HackNUthon 2024–2025 at Nirma University and IntelliHack at DAIICT-Gandhinagar.
Awarded **MYSY** and **CMSS** scholarships for 4 years of graduation.