

# SATVIK TRIVEDI

## B.TECH STUDENT

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### SUMMARY

Highly motivated and hardworking B.Tech student specializing in cybersecurity, with hands-on experience through multiple internships and various certifications in cybersecurity, Web Development, Cloud structure, Mobile App Dev. Skilled in identifying and mitigating security threats, network defense, and ethical hacking.

### EDUCATION

<b>Bachelors in Cyber Security</b>	Mumbai University	2022-2026
Shah & Anchor Kutchi Engineering College	7.5 CGPA upto Sem 7	
<b>HSC (PCM)</b>	Mumbai University	2020-2022
Mahesh Tutorials		

### TECHNICAL SKILLS

#### Programming Languages & Technologies

Python: Node.JS | Angular.JS | Pytorch | Django  
Java: JDK | Eclipse | Maven | Jenkins  
Database: MySQL | OracleDB | MongoDB  
Cloud: AWS | Microsoft AZURE | GCP  
Flutter: Dart | Firebase | Android Studio

#### Cybersecurity

SOC Analysis | VAPT | Computer Networking |  
Blue Teaming | Bug Bounty | OSINT  
Tools: Nmap | Wireshark | Burp suite |  
Active Directory | Splunk | Nessus

### SOFT SKILLS

Communication & Interpersonal Skills  
Responsiveness  
Team Work

Languages: English - Fluent  
Hindi - Fluent  
Marathi - Fluent

### PROFESSIONAL EXPERIENCE

#### AI/ML Internship, Quilio Jan 2025 - Feb 2025

- Developed and implemented machine learning algorithms to model and simulate the behavior of analog amplifiers.
- Collected and preprocessed large datasets related to audio signals and amplifier performance for training models.
- Utilized deep learning models for the design and optimization of Digital Signal Processing (DSP) pedals.

#### Junior SOC Analyst Internship, Maharashtra Cyber Police Aug 2025 - Dec 2025

- Worked on real cybercrime cases, related to online financial fraud.
- Monitored security alerts and logs using SIEM tools to identify potential cyber threats and anomalies.
- Analyzed network traffic, firewall logs, and endpoint alerts to detect suspicious activity

## **PROJECTS**

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### **Intrusion Detection System**

- Detected common attack patterns such as DoS, port scanning, brute force, and suspicious payloads.
- Used rule-based and signature-based detection techniques to identify abnormal network behavior.
- Strengthened understanding of network protocols (TCP/IP, UDP, ICMP) and attack vectors.

### **Secured Chat Application with VPN Integration**

- Designed and developed a secure chat application ensuring end-to-end encrypted communication.
- Ensured anonymity and IP masking through VPN-based traffic routing.
- Followed secure software development lifecycle (SSDLC) principles.

## **CERTIFICATIONS**

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- Certified Ethical Hacker (CEH) v13
- Certified Information Security Ethical Hacker (CISEH)
- Linux Systems
- Soft Skills Certificate By Infosys
- Cybersecurity Hackathon
- Virtual Internship

## **PUBLICATIONS**

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### **Data Fortify: An Advanced Website for Cyber Awareness**

- Presented at the 16th International Conference on Computing, Communication and Networking Technologies (ICCCNT 2025), IIT Indore, July 2025.
- Organized in association with IEEE Electronics Packaging Society and AICTE