Kushagra Chaudhary

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Summary

*Cybersecurity-focused professional with hands-on **programming** and **testing** expertise. Measurable impact about IT security and emerging technologies, seeking internship or entry-level opportunities to apply **technical knowledge** and advance in the cybersecurity domain.*

Education

Vellore Institute of Technology | Bhopal, Madhya Pradesh

- **Computer Science And Engineering With Specialization In Cyber Security And Digital Forensics.**
- **CGPA : 7.68**

Skills

- **Programming & Software Development** : *Java, C++, Python, Data Structures and Algorithms, Object-Oriented Programming, Operating Systems, Agile Software Development.*
- **Database & Backend Systems** : *DBMS, SQL, NoSQL, Query Optimization.*
- **Networking & Systems** : *TCP/IP Protocols, Wireshark, ZMap, Network Traffic Analysis, OSI Model.*
- **Cybersecurity & Ethical Hacking** : *Penetration Testing, Ethical Hacking, Vulnerability Assessment, Incident Response, SIEM, Metasploit Framework, Kali Linux, Security Tools Proficiency, TensorFlow, Neural Networks, OWASP Top 10 Vulnerabilities,Deep Learning Frameworks.*
- **Soft Skills & Professional Communication** : *Verbal Communication, Social Communication, Team Collaboration, adaptability,Data-driven decision making*

Projects

Key Logger Detecting Advanced System | Bhopal, Madya Pradesh
05/2025 - 06/2025

- *Developed advanced keylogger machine learning algorithms, **achieving 95% accuracy** in identifying **malicious keystroke** capture attempts and reducing **false positives by 40%.***
- *Engineered real-time behavioral analysis engine with **signature-based detection methods**, processing **10,000+ system events per second** to implement predective analysis identification and neutralize keylogger threats before data compromise.*

Intrusion Detection System | Bhopal, Madhya Pradesh
02/2025 - 06/2025

- *Developed a comprehensive intrusion detection system using Python and **network analysis tools,** implementing real-time threat monitoring capabilities that reduced security incident response time by **40% through automated alert generation** and **anomaly detection**.*
- *Engineered advanced algorithms incorporating machine learning models to identify and classify security threats, successfully **detecting 95% of simulated attack vectors** during testing phase while **minimizing false positive rates.***

Mental Health Support System| | Bhopal, Madhya Pradesh
08/2024 - 03/2025

- *Achieved early depression prediction for **200+ users** using **machine learning models** on behavioral and situational data.*
- *Enabled real-time mental health monitoring for **300+ employees**, facilitating timely, **data-driven intervention.***
- *Structured and analyzed mental health trends to **improve model accuracy** and support **high-impact pridictive analytic.***

Certificates

- **IBM -** *Devops, Cyber Security Analyst*
- **NPTEL -** *Cyber Physical Systems*
- **Coursera -** *Bits and Bytes Of Computer Networking, Penetration Testing*
- **Udemy -** *Ethical Hacking, Python Programming*