Kunal Goyal

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Education

VIT Bhopal University, B.Tech in CSE (Spl.in Cyber Security and Digital Forensics)   Sept 2022 – May 2026
- CGPA: 8.1/10

Skills

Languages: Java, Python Programming Language

Cyber Security: Penetration Testing, Ethical hacking, Vulnerability Assessment

Database Management: MY SQL Database

Cloud Computing: AWS Cloud (Foundational Level)

HTML and CSS

Experience

Cyber Security Analyst Intern, The Red Users   April 2025 – May 2025
- Captured and analyzed network traffic using Wireshark to identify suspicious activity and understand protocols like TCP, UDP, and HTTP.

Cyber Security Intern, Encoderspro   June 2025 – July 2025
- Learned bug bounty hunting, vulnerability assessment, and CTF challenges as a Cybersecurity Intern.

Projects

Intrusion Detection System Using Machine Learning
- Developed a machine learning-based system to detect cyber threats. Improved detection accuracy by using popular datasets like NSL-KDD and CIC-IDS-2017 to train the model. Tools Used: Python, Matplotlib, Pandas

Advanced Port Scannner Tool
- Built a multithreaded port scanner in Python for high-speed network analysis. The tool performed banner grabbing and other techniques for a comprehensive vulnerability assessment. Tools Used: Python, Socket, Threading, Nmap

Certificates

Certified Ethical hacker by EC Council: The EC-Council's Certified Ethical Hacker (CEH) certificate is highly relevant to my career in cybersecurity, serving as a globally recognized credential that validates my expertise in ethical hacking, security assessment, and threat mitigation.

Skills: Scanning Reconnaissance, Vulnerability Analysis, System Hacking, Social Engineering

AWS Certified Cloud Practitioner by Amazon Web Services (AWS): AWS Certified Cloud Practitioner by Amazon Web Services (AWS) The AWS Certified Cloud Practitioner certification provides a foundational understanding of AWS Cloud concepts, services, and security fundamentals. It validates the ability to define the AWS Cloud and its value proposition, identify core AWS services and their use cases, and explain basic security, compliance, and pricing models.
Skills: Cloud Computing, AWS Architecture, Cloud Security, Cost Optimization, AWS Management Console, Cloud Deployment Models, Cloud Billing Pricing, and Global Infrastructure.

Devops, Agile Design Thinking by IBM: DevOps, Agile Design Thinking by IBM This IBM certification demonstrates my proficiency in modern software development methodologies. The course provided a solid foundation in DevOps principles, including CI/CD, which streamlines development workflows.
Skills: Agile Project Management, DevOps, Continuous Integration/Continuous Delivery (CI/CD), Design Thinking, and Collaborative Development.