ANMOL KUMAR

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PROFESSIONAL SUMMARY

Cybersecurity Engineer specializing in **penetration testing, OSINT automation, vulnerability assessment, network security.** Ranked in the **Top 15%** on TryHackMe with **50+ completed labs**. Skilled in **OWASP Top 10 testing, reconnaissance**, and **security alert triage** with foundational exposure to **cloud security** and **IAM concepts.** Strong analytical mindset with proven **CTF** participation experience.

TECHNICAL SKILLS

- **Programming & Scripting:** Java, Python, SQL
- **Cybersecurity Skills:** Vulnerability Assessment, Penetration Testing, Web Security, OSINT, Threat Analysis, Red Teaming Basics, Reconnaissance
- **Tools:** Nmap, Burp Suite, Wireshark, ffuf, Metasploit, Gobuster, OWASP ZAP, Nuclei
- **Operating Systems:** Linux, Windows
- **Cloud:** Azure Identity Concepts, GCP Fundamentals
- **Security Concepts:** OWASP Top 10, SAST, SCA

EXPERIENCE

- **Cybersecurity Virtual Internship (Mastercard Job Simulation)** — *(04/2024)*   ***Certificate***
  - Simulated real-world **incident response** and **phishing threat detection** for Mastercard's Security Awareness Team.
  - Identified and reported **5+ phishing attempts**, leading to improved threat detection accuracy.
  - Designed **3 targeted awareness programs** to strengthen employee cybersecurity posture.

PROJECTS   ***Github***

- **Subdomain Enumeration Tool** *(Python | OSINT | Streamlit)* — *Group Project (04/2024)*   ***Web App***
  - Automated **OSINT-based subdomain discovery**, scanning **500+ subdomains/hour** with **99% accuracy.**
  - Integrated multithreading to boost performance by **40%** and added **CSV export** for reporting.
  - Enhanced **API reliability** and implemented detailed **error handling** for large-scale scans.

  Technologies: Python, Requests, Threading, Streamlit, OSINT

- **Secure Password Vault** *(Java | Cryptography | GUI + CLI)* — *Personal Project (Ongoing)*
  - Built an offline password manager using **AES-128-GCM encryption** & **PBKDF2 key derivation** for secure data handling.
  - Developed dual interfaces **(CLI + GUI)** for accessibility and improved UX.
  - Added **rate limiting** and **encrypted backups** for reliability and data safety.
  - Applied **Java Cryptography Architecture (JCA)** standards for secure implementation.

  Technologies: Java, Swing, AWT, Cryptography, MySQL

EDUCATION

- **Bachelor of Technology (CSE - Cyber Security)**
  Haldia Institute of Technology | *2022 - 2026* | *61.87% (till 7th semester)*
- **Higher Secondary - *Jamunilal College, Hajipur*** | *2021* | *BSEB* | *62.4%*
- **Secondary -*Janta High School, Musepur*** | *2019* | *BSEB* | *71.8%*

CERTIFICATIONS & ACHIEVEMENTS

- **Network Technician Career Path** | 02/ 2025   ***Certificate***
  Cisco Networking Academy
- **Pre Security** | July 2025   ***Certificate***
  TryHackMe
- **Top 15% | 50+ Rooms Completed | Bronze League 1st place** | 2026   ***Profile***
  TryHackMe
- **Hackathon - CTF** | 2025   ***Certificate***
  KPMG

LEADERSHIP

- **Event & Management Head,** IEEE HIT SB
  - Organized **5+ tech events** with **100+ participants**, managing team logistics, event flow, and technical sessions.