Ankit Kayastha

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Passionate and driven cybersecurity enthusiast, seeking opportunities to contribute to real-world security challenges while growing as a security professional.

WORK EXPERIENCE

Code Rush Pvt Ltd

Cloud Security Engineering Apprentice [Dec 2023 – Aug 2024]

- Developed secure web applications hosted on AWS using best practices and compliance measures.
- Designed and deployed IAM roles, S3 bucket policies, security groups, ensuring least privilege access.
- Conducted vulnerability assessments and penetration testing of internal projects.
- Automated Linux system hardening using shell scripts.
- Performed log analysis using CloudTrail and integrated alerts with GuardDuty.

EDUCATION

Bachelor's in Computer Engineering
Tribhuvan University [2020 – 2024]

M.Tech in Computer Science and Engineering
IIT Indore *Focus:Cybersecurity, Software Defined Networking* [2024 – Present]

CERTIFICATIONS

- **AWS Certified Cloud Practitioner** Feb 2024 - Feb 2027
- **AWS Certified Security Specialty** July 2024 - July 2027
- **CompTIA Security+** July 2024 - July 2027

DIGITAL SKILLS

- **Networking:** Protocols, configuration, and troubleshooting (OSI, TCP/IP)
- **Network Security:** Firewalls, IDS/IPS, vulnerability assessment, penetration testing
- **Security Tools:** Metasploit, Burp Suite, Nessus, Wireshark, Nmap, OWASP ZAP
- **Cloud:** AWS
- **Operating Systems:** Windows, Linux, macOS
- **Programming:** Python, Bash, C++, JavaScript, SQL
- **Software-Defined Networking:** OpenFlow, Mininet, P4

SOFT SKILLS

Communication *Team Collaboration* *Adaptability* *Time Management* *Research Orientation*

PROJECTS

Machine Learning in Traffic Surveillance

- **Vehicle Speed Estimation:**
  Used OpenCV and object tracking to estimate speeds from video frames.

- **Smart Parking System:**
  CNN based vehcile recognition and slot allocation integrated into a mobile application.

AWARDS AND RECOGNITIONS

Forewarn Disaster Hackathon
- Top 7 in nationwide hackathon to solve disaster risk management

NASA International Space Apps Challenge, Kathmandu
- Secured second position in the hackathon with sleep scheduling tool.