

# Rahul Sharma

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## Summary

Graduate student with experience in software development, networking, and cloud security. Proficient in Python, C++, AWS, and SDN, with strong problem-solving skills and hands-on experience.

## Technical Skills

**Compliance Security Frameworks:** SOC2, FedRAMP, ISO 27001, PCI-DSS, HIPAA

**Languages:** Python, C++, Java, SQL, Bash

**Development:** OOP, Data Structures, API Development, SDN

**Networking & Cloud:** AWS (IAM, EC2, S3, GuardDuty), TCP/IP, DNS, SDN

**Security:** IDS/IPS (Snort, Wireshark), Firewalls, SIEM (Splunk)

**Tools:** Git, Docker, Jenkins, Agile/Scrum

## Experience

### Software Engineer

*Oct 2021 – Aug 2023*

*Apisero Global, Bengaluru, India*

- Designed RESTful APIs for system integrations, improving request processing time by 25%.
- Developed automated data pipelines using Python and MySQL, reducing manual effort by 40%.
- Conducted unit and integration testing using Postman and JUnit, improving software reliability.

### IT Assistant

*Sep 2023 – Jan 2024*

*ChakraDev Hospital Pvt Ltd, Nepal*

- Implemented network segmentation and access control policies to secure hospital data.
- Assisted in penetration testing and patch management to mitigate security vulnerabilities.

### Billing Specialist

*Oct 2024 – Present*

*ASU Health Services, Tempe, AZ*

- Ensured HIPAA & FERPA compliance in patient billing systems.
- Assisted in compliance audits by reviewing logs and ensuring regulatory adherence.

## Education

### Arizona State University

*Jan 2024 – Dec 2025*

Master of Science in IT and Cybersecurity

### Cambridge Institute of Technology

*Jul 2018 – Jun 2022*

Bachelor of Engineering in Information Science

## Projects

### Network Intrusion Detection System (Ongoing)

- Developed a real-time IDS using Snort and Wireshark.
- Created custom detection rules for anomaly detection.
- Implemented an alerting mechanism using Python to notify admins in real time.

### AWS Security Monitoring System (Ongoing)

- Built a security monitoring system using AWS CloudTrail, GuardDuty, and Lambda.
- Implemented automated threat alerts for suspicious activity detection.
- Integrated AWS Security Hub for centralized security insights and compliance tracking.

## Extracurricular & Leadership

### Vice President

*Nepalese Student Association, ASU*

- Organized community events and mentorship programs to support Nepali students at ASU.

### Campus Ambassador

*JobRight.ai, ASU*

- Promoted AI-driven job preparation tools to ASU students, increasing platform engagement.

## Certifications

**ISC<sup>2</sup> Certified in Cybersecurity** (2024 - 2027)

**AWS Cloud Practitioner** (Ongoing)

**CompTIA Security+** (Ongoing)

**Certified Mulesoft Developer - L1** (2022 - 2024)