Karan Sharma

Dharamshala, Himachal Pradesh | +91-9736262621 | Ye8i@duck.com |
https://linkedin.com/in/karanS08/ | https://karans08.codes/

EDUCATION

Chandigarh University **Punjab, India**
BACHELOR OF ENGINEERING (INFORMATION TECHNOLOGY) **Jun 2024**

WORK EXPERIENCE

Cyphinix **Pune, India**
Security engineer intern **Jan 2023 - Apr 2023**

• Conducted thorough vulnerability assessments and pen testing for clients, identifying and assigning CVE numbers to 10+ vulnerabilities with a 99% accuracy rate.

• Developed and implemented mitigation strategies for identified vulnerabilities, resulting in a 30% reduction in overall risk for clients.

• Collaborated with senior engineers to provide detailed reports on security findings to clients, including suggestions for enhancing security measures that led to an improvement in client satisfaction by 20%.

PROJECT EXPERIENCE

NASA CANSAT 2023 **Sep 2022 - Jan 2023**

• Designed and implemented a telemetry analysis software using Python that enabled real-time monitoring of flight metrics, reducing response time to anomalies by 50% during testing phases.

• Optimized and executed efficient communication protocols to ensure seamless data transmission between the interplanetary probe and the ground control system, resulting in a 100% success rate for critical mission commands.

Computer Vision Model **Nov 2022 - Dec 2022**

• Simulated and deployed a state-of-the-art gesture recognition system using Python with OpenCV, achieving an average accuracy rate of 90% across multiple gestures.

• Conceptualized and Incorporated an object detection model using various Python packages that can detect over 100 objects with up to 95% accuracy, leading to a more efficient supply chain management process for the client.

AWS VPN and Website **Jul 2022 - Aug 2022**

• Utilized Amazon free tier to launch an EC2 virtual machine OpenVPN on it, reducing hosting costs by over $100 per month while maintaining high-security standards.

• Set up an AWS VPN server to connect with local routers, optimizing network speed by reducing latency by 30% and increasing bandwidth by 50%.

• Configured an AWS S3 bucket and hosted a static website, resulting in a 99.9% uptime.

LEADERSHIP EXPERIENCE

Chandigarh University

Class Representative   **Jan 2021 - Aug 2023**

• Coordinated and facilitated regular meetings with university officials to discuss and address student concerns, resulting in a 20% increase in student satisfaction ratings.

• Advocated for improved resources and support for students with disabilities, leading to the implementation of a new accommodation policy that increased accessibility by 50%.

SKILLS

Technical:

1. Python	2. Linux	3. AWS, Azure, GCP	4. Git and GitHub
5. C & C++	6. HTML, CSS, JavaScript	7. Docker	8. IoT Development

Inter-personal:

1. Decision making	2. Team Leadership	3. Problem-Solving	4. Time Utilization

CO-CURRICULAR

Open-Sourcing   **https://github.com/karanS08/**

Continuously taking part in Hacktoberfest for 2 years and have been a maintainer since 2022, the repository got more than 100 forks and 80+ stars. Learned about making forks, making Pull Requests, accepting PRs, etc.

TryHackMe, CyberSecurity Platform   **https://tryhackme.com/p/karanS08**

It is an online platform that teaches cyber security through short, gamified real-world labs. Have a "Hacker" badge on the platform with 4400+ points. Gained knowledge of Privilege Escalation, Reverse Engineering, PWN, Cryptography, SQL injection, and Digital Forensics.

Hackathons

Participate in various hackathons organized by the university or other government bodies. Participated in hackathons like Dare-to-Dream by DRDO, IdeaThon'2023, KAVACH'23, Smart India Hackathon, Hack-the-Fest, etc.

CERTIFICATIONS

NPTEL	DATA MINING	MARCH 2023
NPTEL	SOFTWARE TESTING	NOVEMBER 2022
INFOSEC, COURSERA	PYTHON FOR CYBERSECURITY	JUNE 2022
INTERNSHALA TRAINING	CLOUD COMPUTING WITH AWS	JUNE 2022
NPTEL	INTRODUCTION TO PROGRAMMING THROUGH C++	APRIL 2022
LEARN2QUEST, COURSERA	LEARNING LINUX FOR LFCA	MARCH 2022