

Vikas Sharma

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Professional Summary

Self-directed, quick learner and an ambitious graduate pursuing a M.Eng in Information System Security. Aiming forward to implement practical knowledge and skills to fill the void in the given role.

Education

CONCORDIA UNIVERSITY

M.Eng in Information System Security

Montreal, Quebec
Present

GANPAT UNIVERSITY

B. Tech in Computer Science, Specialization in Cyber Security

Ahmedabad, Gujarat
2018-2022

Relevant Coursework: Malware Analysis, Penetration Testing, Cryptography, Cyber Forensics, IAM, SIEM, Network Security, Data Security System, Data Structure and Algorithms, C++, Python, Java, Applied Engineering Mathematics, DBMS, React, NodeJs, Express, DevSecOps, Operating System, Theory of Computation, AWS, SIEM,

Experience

Main Street Management

IT Support Specialist

Feb 2023 – Present

- Deploy automation workflows in the existing process
- Debug, installation of all the software issues in the organization
- Manage administration tasks including payroll management, software management

Ganpat University

Visiting Faculty

Jul 2022 – Dec 2022

- Conducted training sessions related to Penetration Testing, Security Operation Centre and cyber case studies.
- Evaluated different projects, case scenarios.

IBM India

Software Developer Intern

Jan 2022 – Jul 2022

- Researching, designing, implementing, and managing software applications
- Testing and evaluating new programs
- Identifying areas for modification in existing programs and subsequently developing these modifications
- Writing and implementing efficient code
- Deploying software tools, processes, and metrics on cloud environment.

Gurugram Police

Cyber Security Intern

Jul 2021– Aug 2021

- Conducted Research about Digital Forensics, Web Application Security, Mobile Security, Network Security, Dark Web Analysis, Compliance and ISO, Cyber Crime IT Act, and Law.

Ownux Infosec Private Limited

Intern Security Researcher

Oct 2020 – Feb 2021

- Conducted security audits to identify vulnerabilities.
- Participated in continuous improvement by generating suggestions, engaging in problem-solving activities to support teamwork.
- Performed risk analyses to identify appropriate security countermeasures.
- Researched and developed new computer forensic tools.

Azure Knowledge Corporation

Application Developer Intern

May 2020 – Jul 2020

- Created a leading-edge web application with Image Processing Pipeline and Python to conduct image extraction, duplication, metadata extraction, and storing data on the server with the team.
- Coordinated build integrations tasks with multiple teams.
- Supported software engineering projects in an Agile work environment.

Skills

Technical Skills: Python, Bash Scripting, Java, Application Security, Vulnerability Management, Penetration Testing, Risk Assessment, Identity Access Management, Server Hardening, Network Security, Virtualization, JavaScript, Linux, C, C++, SonarQube, Git, Linux Administration, Red Teaming, IT Support, DevSecOps, Cloud Security, Container Security, ITIL, ISO 27001, GDPR,

Soft Skills: Effective Time Management, Effective Project Management, Effective Communication, Strategic Planning, Critical Thinking, Intelligent Decision-Making Ability, Collaborative Analytical, Result Oriented, and Effective Leader Skills

Tools: Burpsuite, Metasploit, SqlMap, Nessus, Linux, Nmap, Wireshark, Nikto, Wpscan, Ettercap, Splunk, IBM Guardium, IBM Qradar, SET, OpenVAS, MobSF, Ghidra, OSquery, Nginx, Microsoft SQL Server, Fortinet Firewall

Certifications

Certified Ethical Hacker Practical and Master (CEH Master) EC-Council	Mar 2022
Jr Penetration Tester, CompTIA Pentest+ Learning Path Try Hack Me	Dec 2021
Orange, White, Android, Recon, White, Yellow Badges Pentester Lab	Jan 2021
Splunk 7.x Fundamentals Splunk	Jan 2021
210W-08 ICS Cybersecurity Consequences U.S Department of Homeland Security	Aug 2020
IBM IT Security, CCNA, ISC2 Badge Coursera, ISC2, CCNA	May 2020
Spoken Tutorial Certification of Python, Java, CPP, BOSS	Apr 2020

Projects

Secure and Lightweight Identity-Based Authenticated Data Sharing Protocol Java, Cryptography To create secure data sharing protocol based on Identity-based authentication	Jan 2022
Automated Recon Tool Bash Scripting Language Automated Recon Tool using various sources about the target	Dec 2021

Asset Discovery Web-based Tool Python, Django Web Application which aims to scan complete network	Nov 2021
Image Processing Pipeline Python, Open CV Extracting images from videos, mapping metadata of images with the location in Map	May 2020
Session Planner and Feedback .NET Project Web Application to assist faculty and students to plan the session of the next terms and provide feedback	Aug 2019
Feedback Management System Java Aims to help students to interact and provide feedback to the faculty	Mar 2019
Fruit –Grocery Management System C++ Grocery Management System to maintain the stocks of the fruits in their shops.	Feb 2019

Paper Presentation

Diving into Linux Malware	2021
OOP Using Java	2019
Advance Java Technology	2019

Awards and Honors

Top 5 in Global Ethical Hacker EC-Council Leader Board EC-Council	April 2022
Director General Awards for Student Achievement Institute of Computer Technology, Ganpat University	Jan 2022
Speaker @ VIT University, SRM University, LJIET University, DPS	

Volunteer Experience and Co-Curricular Activities

Member of Academy and Research Cell Institute of Computer Technology, Ganpat University	Nov 2021 – Jul 2022
Technical Blog Writer psychovik@medium.com	Nov 2020 - Present

Member Null- The Open Security Community	Aug 2020 - Present
Member Cyber Volunteer - Ahmedabad	April 2020 - Present
CTF Player Try Hack Me, Hack the Box	Jan 2020 - Present
Social Worker Vihangam Yoga NGO	May 2019- Present
