

# MALVIK CHAUHAN

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[LinkedIn](#) [GitHub](#) [XDA Developers](#)

## SKILLS AND QUALIFICATIONS

**Security Tools** | Burp Suite • Nessus • Nmap • Wireshark • SQLmap • OpenVAS • Frida • Ghidra

**Techniques** | Vulnerability Assessment • Static Code Analysis • Dynamic Code Analysis • Penetration Testing • Security Risk Assessment • Web Application Security • API Security • Network Security • Mobile Application Security • Cloud Security

**Programming** | C++ • Java • JavaScript • Python • PHP • HTML • CSS • Bash • Jinja

**Languages** | French – Intermediate • English

## EDUCATION

**Master of Engineering –Information Systems Security**

Concordia University

Sept 2023 – May 2025

**Bachelor of Engineering– Computer**

Gujarat Technological University

Aug 2018 – May 2022

## WORK EXPERIENCE

**Application Security Analyst**

Adani Groups, India

Sept 2022 – Mar 2023

- Identified potential threats in the application architecture and proposed Secure System solutions to mitigate risks and complying with compliance requirements.
- Collaborated with development teams to implement security fixes.
- Created comprehensive reports summarizing findings from security assessments.

**Vulnerability Assessment and Penetration Tester**

TechDefence Labs Pvt. Ltd, India

Aug 2022 – Jul 2023

- Performed vulnerability assessments on various networks, systems, and applications (Web/Mobile/Thick Client) to identify security weaknesses and providing mitigations through technical reports.
- Documented findings from both passive reconnaissance activities and active exploits in a detailed report format.
- Created plans and communicated deadlines to complete projects on time.
- Wrote custom burp extensions according to the assessment needs.
- Implemented automated solutions to simplify report generation and managements.

**Security Analyst Intern**

TechDefence Labs Pvt. Ltd., India

Aug 2021 – Apr 2022

- Performed vulnerability assessments on various networks, systems, and applications (Web/Mobile/Thick Client) to identify security weaknesses and providing mitigations through technical reports.
- Documented findings from both passive reconnaissance activities and active exploits in a detailed report format.

## CERTIFICATES

- **Certified in Cybersecurity by ISC2** – ID 1122911
- **Google Associate Cloud Engineer** – ID MpiZZ8
- **Red Hat Certified Engineer** – ID 190-339-002
- **Red Hat Certified System Administrator** – ID 190-339-002

## EXTRA-CURRICULAR ACTIVITIES

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### CTF Designer – @HackCTF (AtHackCTF)

Nov 2023 – Feb 2024

Concordia University, Montreal

- Developed a web-based CTF which targets weakness in JWT, misconfiguration in application and Linux systems, SSRF, buffer overflow bypassing ASLR, NX, and PIE protection, wrapping all inside docker containers.

### Speaker – Deserialization 101

Jun 2023

OWASP Ahmedabad, India

- This talk focused on Deserialization vulnerability, the working mechanism behind it, root cause, searching for vulnerability, and exploitation.

### Student Ambassador - Red Hat Academy

Mar 2021 - May 2022

SilverOak University, India

- Gained experience in public speaking through leading workshops and presentations for new students. Conducted new student orientation
- Initiations to facilitate retention and foster positive attitude towards attending university.

### Advisory Board Member – IEEE

Jan 2021 – Dec 2021

SilverOak University, India

- Analysed data to identify areas of improvement in corporate governance policies and procedures. Provided guidance on ethical decision-making processes throughout the organization.

### Technical Lead – IEEE

Mar 2020 – Jan 2021

SilverOak University, India

- Guided team through technical obstacles with expertise of system details. Investigated software issues by troubleshooting and analyzing systems. Provided technical guidance to team members on product design decisions, coding practices, testing methodologies, and debugging procedures. Prepared reports and correspondence concerned project specifications, activities, and status.

## Projects

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### Silver Oak Edge

[Flask, AWS, Cloudflare, Firebase]

- It is a quiz app for institutes that uses multiple-choice questions to help students study their academics. I worked on the UI/UX and deployment to power up this app while my colleagues worked on the programming and API. This app helped to enrich the learning of more than 1500 students.

### Pentest Automation

[Flask, MongoDB, RedisQueue]

- An API-based pentest automation tool using multiple tools such as Nmap, dnsdumpster, SQLmap, dafonXSS and other tools in the backend to perform the required enumeration tasks and exploitation.

### Automatic Report Generator

[Jinja2, Pandas, wkhtmltoPDF, PyPDF]

- A python-based tool that helps in generating VA and PT reports during post assessments. A completely flexible tool that uses Jinja Templates to create user-defined reports.