

# Sijo Saji

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## Internship

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### Cipher Schools

June 2024 - July 2024

- Worked on the development and implementation of an Advanced Firewall to enhance network security. Gained hands-on experience in threat detection, intrusion prevention, and security policy enforcement.
- Designed and implemented firewall rules to filter malicious traffic and prevent cyber threats.
- Conducted vulnerability assessments and penetration testing to strengthen system security.
- Developed logging and monitoring mechanisms to track unauthorized access attempts.
- collaborated with a team to research and integrate the latest cybersecurity protocols.
- **Tech Stack: Linux, Python, Wireshark, Snort, IPTables, Firewall.**

## Projects

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### Advanced Firewall Application

June 2024 – July 2024

- Developed a powerful network security solution to filter packets based on IP addresses, ports, and protocols. Implemented advanced design patterns to ensure maintainability, scalability, and adaptability. Delivered a comprehensive solution with customizable filtering rules to strengthen network protection against unauthorized access and threats.
- **Tech Stack : Html, CSS, Python, Flask**

### Key Logger Detector

March 2024 - March 2024

- Created a tool to detect suspicious programs that might be recording keystrokes. It scans running processes, identifies potential keyloggers, and alerts users, and it helps the users to improve system security.
- **Tech Stack: Python ,psutil ,pygetwindow, pyinput.**

## Certifications

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### Ethical Hacking Essentials

November 2024

*Coursera*

### Digital Forensic Essentials

November 2024

*Coursera*

### IBM Cyber Security Analyst

April 2024

*Coursera*

## Technical Skills

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**Languages** C++, Java, C, Python

**Technologies/Frameworks:** Html, CSS, Ubuntu, Kali Linux, Metasploit, Volatility.

**Skills:** Communication, Team Player, Time Management, Adaptability.

## Education

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### Lovely Professional University Punjab

2022 – present

*Computer Science and Engineering — CGPA: 7.17*

*Jalandhar, Punjab*

### Carmel Residential Senior Secondary School

2020 – 2022

*12th with Science*

*Kadalavila, Kerala*

### Carmel Residential Senior Secondary School

2019 – 2020

*10th with Science*

*Kadalavila, Kerala*