PREM KUMAR

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SUMMARY

Recent Bachelor's in Technology graduate from SRM University, India with a solid foundation in Cybersecurity. Adept at network security and risk management with hands-on experience gained through my projects and coursework such as SIEM, Penetration Testing and Kali Linux. Demonstrates strong analytical skills, attention to detail, and a proactive approach to identifying and mitigating security threats. Eager to leverage my expertise to safeguard organizational assets and support innovative security solutions in real digital world. Dedicated to continuous learning and staying current with emerging cybersecurity trends and technologies.

EDUCATION

BACHELOR OF TECHNOLOGY WITH SPECIALIZATION IN CYBER SECURITY
SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
BATCH - 2024 • CGPA - 8.9

HIGHER SECONDARY EDUCATION – COMPUTER SCIENCE
VELAMMAL MATRICULATION HIGHER SECONDARY SCHOOL
BATCH - 2020 • PERCENTAGE – 70%

PROJECTS

SIEM HOME LAB (Associated with Cybersecurity)

- I used the Elastic Beats agent to transfer data from the Kali virtual machine to the SIEM
- Nmap was used to generate security events on the Kali VM and the Elastic web interface was used to query and analyze the logs in the SIEM.
- In order to detect security incidents, I also designed an alert and a dashboard to visualize security occurrences.
- This home lab offers an excellent setting for acquiring and honing the abilities required for utilizing Elastic SIEM for efficient security monitoring and incident response.

REALTIME FACIAL RECOGNITION AND MONITORING SYSTEM (Associated with Cloud Computing)

- JavaScript and Python were utilized in the creation of a webpage including an intricate dashboard containing the collected data.
- EC2 instances were created in AWS for the webpage access and these instances were customized and accessed through PowerShell.
- Instances were combined as target groups and security policies along with IAM has been provided to ensure the CIA traid.
- Final Outcome : Data's of Employee/Student who belongs to the organization will be uploaded on the server and the programs in the servers will process the real-time video income with the existing database and authorize the user entry.
- These data's can also be used in audit trails and improves the security and log record analysis

PERSONAL PORTFOLIO WEBSITE (Associated with Web-development)

- Developed a personal portfolio website to showcase professional achievements, projects, and skills.
- The website is designed with a clean, responsive layout to ensure compatibility across various devices and screen sizes. Utilized HTML, CSS, and JavaScript to create a visually appealing and interactive user experience.
- Received positive feedback on the design and functionality from peers and industry professionals.

CERTIFICATIONS

Python Programming – Provided by GUVI

AWS Developer – Provided by Udemy

Power BI Virtual Case – Provided by PWC (Forage)

AWS Solution Architecture – Provided by AWS (Forage)

Out-of-Academics

Ignite'24 (Associated with SRM University)
- I was the session speaker under title **"CONCEPTS OF CYBERSECURITY AND ITS EMERGING CYBER THREATS"** during my final year of my Undergrad
- I had given a vast knowledge and bright side of Cybersecurity. Government school students were the prioritized participants of this event and few private schools students were also invited for this session.

Empowering Tomorrow's Engineer (Associated with SRM University)
- I was the notable alumni speaker of this session. First year and second year students were the participants of this session.
- I delivered the pros and pathways to travel on Cybersecurity. Certifications and concepts were explained. Key elements for networking and industrial practices were also conveyed in this session.

Industry Focus and Career Building in Cybersecurity (Associated with New Prince Shri Bhavani Collage of E&T)
- I was invited as the guest speaker of this collage. Students pursing their second year in Cybersecurity were participated in this event
- A workshop is conducted on the tools that can be found in Kali Linux. Few cybersecurity hacks and tricks were performed. Had given a detailed orientation on concepts and pathways of Cybersecurity. Job opportunities and scope towards future were also enclosed and discussed along with articles like Hindu News.

INVOLVEMENT

Bureau of Indian Standards (Associated with Clubs of SRM University)
Role : Vice-President
Contributions:
- Organized 2 events with club members and invited them as a quality check trainee under Schinder Electricals
- Organized 3 workshops (1 for Cleaning Unwanted waste products in Shores, 2 for quality check on government buildings
- Organized 1 on-campus event on University cultural with Quiz games and availed opportunity to mark themselves as NGO Member

SKILLS

Programming Language : Python, HTML,CSS,C++, PHP

Cloud : Amazon Web Services, Google Cloud Platform

Visualization : Power BI, Tableau

Database : MySQL, Oracle

Soft Skill : Problem-Solving, Decision Making, Teamwork, Active Listening, Project Management, Time Management