

KARTHIK SALIGRAM

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SKILLS

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- Git, REST API, Wazuh, Burp Suite, Nikto, Metasploit, Kali Linux, Wireshark, Nmap, Nessus, VMware/VirtualBox, pfSense.
 - **Programming:** C++, C#, Python, JavaScript, Typescript, ASP.NET, SQL, MySQL
 - **Front-End:** ReactJs, VueJs.
 - **Back-End:** NodeJS, AdonisJS.
 - **Build Tools:** Vite.
 - Curious about new technologies coupled with the ability to grasp new concepts quickly.
 - Strong communication and interpersonal skills, building strong working relationships with team members.

EDUCATION

<u>Bachelor of Engineering in Computer Science</u>	2017 - 2020
Mangalore Institute of Technology & Engineering	
<u>Cyber Security Analysis</u>	2023-2023
Algonquin College GPA: 3.66/4.0	

RELEVANT WORK EXPERIENCE

Part Time Developer, IMU Tech, Ottawa	2023-Present
<ul style="list-style-type: none">• Developed and maintained the front-end and back-end of the rotary site, ensuring seamless user experience and efficient functionality.• Applied responsive design principles to optimize the site for various devices, improving accessibility and user engagement.• Participated in code reviews and conducted troubleshooting to identify and resolve bugs and issues, contributing to the site's stability and reliability.• Actively involved in the planning and execution of various projects related to cybersecurity and artificial intelligence.	
Developer, Manipal Academy of Higher Education	2021 - 2022

- Designed and implemented secure software solutions as part of a collaborative team environment.
- Ensured strict adherence to security standards and best practices by actively collaborating with development and testing teams.
- Maintained effective communication with team members to ensure alignment with project goals and timely achievement of deadlines.

PROJECTS

SOC Implementation using WAZUH (SIEM).

Technologies Used: Wazuh, Pfsense

- Designed and deployed a robust SOC infrastructure using Wazuh and pfSense to fortify the organization's cybersecurity posture.
- Configured pfSense firewall to enforce strict network security policies, protecting sensitive data and mitigating unauthorized access attempts.
- Established centralized log management with Wazuh, facilitating in-depth analysis and correlation of security events for timely threat identification and response.

Record Management System (RMS).

Technologies Used: ASP.NET, C#, SQL

- Created a website for college administration to effectively manage and document professors' publications, including articles, journals, and theses.
- Developed an automated point grading system that calculates scores based on professors' contributions, such as published journals, received research grants, obtained PhDs, and PhD guide ships.
- Utilized the calculated points to provide professors with additional bonuses at the conclusion of each academic cycle.

Threat Detection System.

Technologies Used: ReactJS, Flutter, Firebase, TensorFlow

- Developed a sophisticated accident detection system utilizing the photos taken by the smartphone for automatic identification of accident types and immediate alerting of authorities.
- Leveraged Firebase as the database solution for efficient storage of geo-location data, images, and user information.
- Utilized ReactJS to create a web-based front-end for the system's website.
- Employed Flutter to develop a mobile application for seamless user experience across different platforms.
- Utilized TensorFlow, a powerful machine learning framework, to train a custom image classification model capable of categorizing various types of images accurately.