NEHA

CYBER SECURITY ANALYST - SIEM, Threat Analysis, Compliance & Risk Management

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SKILLS

- **Cybersecurity:** Vulnerability Assessments, Cloud Security, Threat Hunting, Risk Management, Security Compliance.
- **Programming Languages:** Python, Java, JavaScript, HTML, CSS, PHP, Shell Scripting, DevOps Practices.
- **Web Development:** Front & Back-End Development, API Integration, Web Application Security, Responsive Design.
- **Software Tools:** Git, Visual Studio, Eclipse, NetBeans, Jupyter Notebook, CI/CD Pipelines, Cloud Deployment.
- **Database Management:** SQL, MySQL, NoSQL, Query Optimization, Database Administration & Security.

WORK EXPERIENCE

Cybersecurity Intern   **April 2024 – August 2024**
AIP Loyalist College   *Ontario*

- Observed security alerts using SIEM tools like Splunk and conducted vulnerability assessments using tools such as Nessus, identifying and mitigating 30% more vulnerabilities compared to previous assessments and backlogs.
- Collaborated in the development & documentation of network security policies, firewall configurations, and control protocols, enhancing organization-wide compliance with security standards and reducing policy violations by 20%.
- Imparted training in employee training sessions on best security practices, incident response processes, documenting & analyzing incidents, improving awareness & reducing security breaches by 15% and decrease resolution time by 10%.

Ration Distribution Management Assistant   **March 2021 – December 2022**
Govt Ration Dist   *India*

- Facilitated in managing biometric records and people's identification systems using Aadhar-enabled databases, ensuring 98% accuracy in record management and also ensured data integrity checks to avoid duplication and errors.
- Maintained and updated distribution and inventory records using Excel and custom databases, ensuring accurate tracking and reducing errors by 20%, assessing in automating the inventory system, and improving real-time tracking.
- Coordinated with cross-functional teams to ensure smooth workflow and efficient distribution of resources, improving operational efficiency by 15%. Focused on enhancing logistical coordination and timely stock replenishment.

Software Development Intern   **November 2020 – January 2021**
GTB Institute   *India*

- Developed web applications using Python (Django) and Java, optimizing server-side logic and improving application performance by 25%. Reducing vulnerabilities by secure coding practices and integrating SSL/TLS encryption.
- Implemented to document code with Java doc and generated user manuals with Confluence, reducing on-boarding time by 30%, and ensuring clarity for future developers in understanding of system architecture and implementation.
- Aided in code reviews using GitHub, ensuring adherence to best coding practices and version control, improving code quality and performance, leading to a 15% increase in application efficiency and reducing technical debt by 10%.

PROJECTS

Movie Descriptor
Role: Developer

- Engineered a mobile application using natural language processing (NLP), audio transcription, API integration, speech synthesis, and machine learning algorithms to deliver 95% accurate movie descriptions for visually impaired users.

Mobile App Security Analyzer
Role: Security Analyst

- Devised a security analysis framework employing static code analysis, manual testing, penetration testing, encryption validation, reverse engineering, and 10 unique vulnerability scanning protocols, improving threat detection by 30%.

Gym & Bakery Management System
Role: Full Stack Developer

- Architected scalable management systems with cloud database integration, access control, RESTful API endpoints, customer tracking, modular architecture, and live booking notifications, enhancing efficiency and engagement by 20%.

EDUCATION

Cybersecurity Postgraduate Diploma   **January 2023 – August 2024**
Loyalist College, Toronto

Master of Computer Applications   **August 2019 – June 2021**
DAVIET College, India

Bachelor of Computer Applications   **July 2016 – July 2019**
HMV College, India