Sai Venkata Siddartha Darisi

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Risk Assessment | Network Vulnerability Scan | Encryption | Traffic Analysis | Web Application | Penetration Testing | Ethical Hacking | Phishing Analysis and Response | Malware Analysis | Intrusion Detection | IBM SPSS

Cybersecurity Analyst/ Penetration Tester/ SOC Analyst/ Network Engineer

Education:

* New Jersey Institute of Technology, Newark, NJ: Master of Science in Cyber Security and Privacy May 2023
* Relevant Coursework: Counter Hacking, Network Protocol Security, Cryptography and Security, Internet and Higher-Level Protocols, Computer Security Auditing
* Koneru Lakshmaiah Education Foundation, India: Bachelor of Technology in Computer Science & Engineering April 2021
* Relevant Coursework: Data Structures, Ethical Hacking, Operating Systems, Distributed Computing

Certification:

* AWS Certified Solutions Architect-Associate (June 2023) | CompTIA Security+ (June 2023)
* Certified Ethical Hacker(V12) from Ec-Council (April 2023) | Brainnest Cyber Security Industry Training (March 2023)

Technical Skills:

* Programming Language: HTML/CSS, C++, C#, SQL, Python, Java
* Project Management & Test Tools: JIRA, Trello, Crucible | Programming Tools: IntelliJ IDEA, Eclipse, CLion, PyCharm
* Cloud & Databases: MySQL, MongoDB, Amazon Web Services (S3, EC2, IAM) | Version Control Tool: Git, GitHub
* Design and Test Frameworks: React.JS, Angular8, React Native
* Expertise: Tcp/Ip Suite, Cisco Routing Protocols, Vulnerability Assessment, Virtualization, Network Design, and Cloud Deployment
* Abilities: Metasploit, Burp Suite, Wireshark, John the Ripper, Aircrack-ng, Sqlmap, Hydra, Nessus, OpenVAS, Assembly language, Windows, Kali Linux, MacOS, Parrot security, AWS Management & Deployment, OWASP, Cyber Kill Chain Framework, Web Application Firewalls, IAM, Security and Compliance, AWS Cloud Architecture, Network Security, Cisco Routers, Docker Security, and SIEM

Work Experience

**Full Stack Developer | Chess Brainstormers, Jersey, NJ Feb 2023 - April 2023**

* Developed web application using AWS Amplify, React, Graph, and Dynamo DB, boosting sales by 30%.
* Collaborated with cross-functional teams to understand project requirements and translate them into technical specifications.
* Implemented AI technology for a personalized tutoring platform, increasing sales by 50% & improving user satisfaction scores by 30%.
* Worked with Core Java to develop automated solutions to include web interfaces using HTML, CSS, JavaScript, and web services.
* Improved full-stack applications across various platforms using the latest industry-adopted technologies and frameworks.

Security Analyst | Bullfinch Software Pvt Ltd , India NOV 2020– NOV 2021

* Successfully deployed an enterprise-wide cybersecurity infrastructure upgrade, improving system security by 45% and reducing potential breaches, as measured by simulated penetration testing.
* Developed and delivered cybersecurity awareness training to employees across various departments, resulting in a 20% decrease in user-related security incidents over a span of 6 months.
* Developed and implemented a comprehensive cloud security strategy that led to a 15% reduction in security incidents.
* Participated in an overhaul of the disaster recovery plan, which led to a 50% reduction in potential downtime.

Web Developer Intern| GMAT Verzio, India May 2018 – June 2018

* Created a responsive, user-friendly website with CSS, JavaScript, and HTML, increasing website traffic by 40% in the first month.
* Managed all aspects of online marketing including but not limited to design, build, testing, optimization, and reporting.
* Identified problems uncovered by customer feedback & testing, correcting,or referring problems to appropriate personnel for correction.
* Tested web pages for functionality and usability, including conducting user testing sessions with customers or clients,
* Collaborated with senior developers to integrate complex features such as payment gateways, user authentication, and inventory management system, decreasing manual data entry errors by 30%.

Projects

Mini-Apache Web Server, Newark, NJ Jan 2022 – Aug 2022

* Implemented HTTP and FTP protocols, increasing network efficiency by 90%.
* Devised testing plan for handling arbitrary binary blobs, achieving a 98% success rate in processing and delivering client requests.
* Defined Java-based mini-Apache web server, reducing memory consumption while maintaining functionality for HTTP requests.

Drowsiness Detection AI, India Sept 2020 – March 2021

* Authored a real-time video analysis algorithm with a 95% accuracy rate to detect and notify drivers of unsafe behavior.
* Conducted detailed analysis of driver surveillance, resulting in the early detection of drowsiness & alerting the driver to take rest breaks.