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.