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/ Security Operations Center (SOC) Analyst

Education:

- **New Jersey Institute of Technology, Newark, NJ:** Master of Science in Cyber Security and Privacy **| GPA: 3.10**   **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 (Ongoing) **|** 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) **| Version Control Tool:** Git, GitHub
- **Design and Test Frameworks:** React.JS, Angular8, React Native
- **Expertise:** JavaScript, React JS, Node JS, MySQL, Postgres, MongoDB, Azure, Framework (API, Cosmos DB, Web App)
- **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, and Network Security

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.
- Developed full-stack applications across various platforms using the latest industry-adopted technologies and frameworks.

Digital Marketing Analyst Intern | Eminent Apps, India   **Jan 2021 – March 2021**

- Analyzed user behaviors and website traffic patterns using Google Analytics to inform data-driven decisions on the website.
- Assisted with the maintenance of leveraged data sources through escalation of discrepancies to engineering and technical teams
- Reported on web and app performance and provide actionable insights to the team for improving user experience, conversion, etc.
- Conducted market research to identify industry trends and insights, implementing SEO strategies that improved the website rankings and increased organic search traffic by 20%.
- Maintained an understanding of the latest Web applications and programming practices through education, study, and participation in conferences, workshops, and groups. Monitored all social media platforms for trending news, ideas, and feedback.

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

Smaller Version of the 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.
- Developed Java-based mini-Apache web server, reducing memory consumption while maintaining functionality for HTTP requests.

Drowsiness Detection AI, India   **Sept 2020 – March 2021**

- Developed 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.