Saisree Alaparthi

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EDUCATION

Master of Science in Computer Science   August 2023 – May 2025
Wright State University, Dayton, OH   GPA: 3.5

Bachelor of Technology in Computer Science: Cybersecurity   June 2019- April 2023
Koneru Lakshmaiah Education Foundation   GPA: 3.7

TECHNICAL SKILLS

Python • C • JAVA • MySQL • Microsoft Office Suite • HTML/CSS • JavaScript • Oracle • AWS • Docker • Jenkins • Git • Django • Ethical Hacking • VAPT • React.js • VirtualBox • Angular CLI • Data Analysis • Wireshark • Cisco Packet Tracker • Remix • HashCalc • PowerShell • JDBC • Servlets • Spring Framework • XML

WORK EXPERIENCE

Cybersecurity Virtual Internship, Palo Alto Networks Cybersecurity Academy   Mar 2022 - May2022
- Conducted vulnerability assessments on enterprise systems, identifying X+ security gaps and proposing mitigations.
- Developed automated security scripts using Python, improving threat detection by Y%.
- Collaborated with a team to implement incident response simulations, reducing system downtime by Z%.
- Gained hands-on experience in network security, threat analysis, and security incident response through real-world projects.

Ethical Hacking Training, Internshala Trainings   June 2021 - August 2021
- Finalized documentation and reported vulnerabilities for an e-commerce website.
- Gained foundational knowledge in Information Security, Computer Networking, and Web Development.
- Conducted information gathering and Vulnerability Assessment & Penetration Testing (VAPT) on critical OWASP Top 10 vulnerabilities.
- Automated VAPT processes to enhance efficiency and accuracy.
- Completed multiple tasks, projects, and a final capstone project.

TECHNICAL PROJECTS

Weather App   January 2025
- Developed a React-based weather forecast application using the OpenWeatherMap API.
- Enabled users to search weather by city, view temperature, humidity, wind speed, and a 5-day forecast.
- Planned future improvements like geolocation detection and hourly forecasts.

Indian Constitution Information System – Web Application   January 2022-April 2022
- Designed and developed an interactive web platform to educate users on Fundamental Rights, Duties, Amendments, and Features of the Indian Constitution.
- Integrated a user-friendly interface with sections for Admin, Citizen, Amendments, Preamble, Features, and Events to enhance accessibility.
- Developed a structured navigation system for effective content organization and user engagement.

Intelligent Hospital Management System   January 2021 - April 2021
- Led a cross-functional team in developing a hospital management system to streamline patient management and resource allocation, implemented back-end functionality, ensuring seamless database communication.
- Optimized system performance with enterprise programming techniques, making the solution scalable and secure.

Health and Life Insurance Management System   August 2020 - December 2020
- Developed a Django-based web application for automating insurance policy calculations and customer onboarding.
- Integrated Django templates for an intuitive user interface, improving user engagement.
- Conducted extensive testing and debugging, ensuring a seamless and bug-free experience.

Banking and Finance System   February 2020 – April 2020
- Developed a Java-based web application for managing financial transactions and customer accounts.
- Implemented features for account creation, transaction history, and financial reporting.
- Enhanced data security with encryption and validation protocols to protect sensitive financial data.

PUBLICATION

The Growth of Cryptocurrency using Blockchain Technology, (I2CSE-23)   July 2023
- Analysed cryptocurrency growth trends using Blockchain Technology and the ARIMA model.
- Explored factors influencing cryptocurrency adoption and its real-world applications.