Sowmya Sri Lakshmi. Boorle

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Education

Aditya University, Surampalem   *October 2022 - July 2026*
B.Tech in Data Science
- CGPA: 8.53

Sri Chaitanya Junior College, Tuni   *June 2020 - June 2022*
MPC Stream
- Percentage: 96.5

Coding Profiles

- LeetCode: 300+ problems (Profile ↗)
- GeeksforGeeks: 75+ problems (Profile ↗)
- Code Chef: 200+ problems (Profile ↗)
- Hacker Rank: 170 problems (Profile ↗)

Internships

Cyber Security Trainee(Letter ↗)   *Surampalem*
Technical Hub   *June 2024 – July 2024*
- Designed and implemented a comprehensive reporting system for penetration testing results, enabling faster and more informed decision-making.
- Collaborated in a team of four to track vulnerabilities using the system.
- Developed a project applying three key cybersecurity concepts, enhancing hands-on penetration testing skills.

Data Structures through C Intern(Letter ↗)   *Surampalem*
Technical Hub   *February 2024 – July 2024*
- Led innovation efforts among juniors, driving technical growth for 4 months resulting in best performance.
- Resolved data structure issues using C programming, ensuring timely and efficient solutions.
- Translated intricate Data Structures theories into accessible lessons, resulting in a significant boost in student comprehension as evidenced by an increase of 15% on average test scores.
- Facilitated collaborative learning in Data Science, fostering a culture of knowledge sharing and driving 25% increases in knowledge.

Projects

Graphical Password Authentication System
- Users experience a 40% increase in authentication security by registering with an image-based password, selecting specific grid blocks on a transparent overlay, and securely storing the chosen sequence.
- Users improved login success rates by 30% through correct authentication using pre-selected grid blocks on their chosen image.
- Implemented multiple fake mouse pointers, reducing observational attacks by 70% and making it harder for attackers to distinguish the real pointer.
- Technologies involved: PHP, CSS and JavaScript.

Web Application Penetration Test(Github link ↗)

- Built a web-based project visualization and deployment platform using 4 to 5 Python libraries, ensuring a seamless user experience.
- Identified website vulnerabilities by simulating 5-6 SQL Injection attacks using crafted queries to assess security weakness.
- Conducted XSS tests to identify mis-configurations and vulnerabilities in JavaScript, enhancing security measures by 40%.
- Conducted CSRF assessments on 5 platforms, identifying 3 vulnerabilities that prompted updates to prevent data breaches.
- Tools Used: HTML, CSS and Python.

Java Application Creator

- Stored 100 questions in a database and displayed them in the Java Quiz named application.
- Built an application using Java libraries, connecting to a database to query 100 questions from database.
- Displayed scored of a person out of 100 in post-quiz by evaluating answers using Java elements.
- Programming Language included: Java and their libraries.

Achievements

- Accomplished Certified Professional Ethical Hacker (CPEH) certification from mile2 with an aggregate of 84%.
- Earned Cisco Certified Support Technician certification from CISCO demonstrating expertise in cybersecurity support with 89%.

Technologies

Programming Languages: C, C++, Python and Java(Basics).

Front-end Tools: HTML5, CSS and JavaScript.

Back-end Tools: Node JS and React JS.

Databases: MYSQL, PHP and MongoDB.

Technologies: Cyber Security and Full stack.

System skills: Linux(Intermediate).