

SRI SAI SUMANTH DUGGINA

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EDUCATION

Central Michigan University, Mount Pleasant, MI

Expected Graduation - May 2025

Master of Science, Computer Science

GPA: 3.96/4.0

Coursework: Algorithms, Databases, Data Engineering, Software and Data Modeling

R.V.R & J.C College of Engineering, Guntur, India

Aug 2019 - May 2023

Bachelor of Technology, Information Technology

GPA: 3.5/4.0

Course work: Data Structures, Software Engineering, Computer Networks and Architecture, Object-Oriented Programming

TECHNICAL SKILLS

Languages	: Java, Python, C
Web Technologies	: HTML, CSS, JavaScript, REST API, Json, Soap
Frameworks & Libraries	: Spring, Spring Boot, Spring Security, Spring JPA
Cloud Technologies	: AWS S3, RDS, EC2, IAM, CloudWatch, Google Cloud Platform
Database Technologies	: Relational (Oracle DB, MySQL), Non-Relational (MongoDB)
Tools and Platforms	: Git, Gitlab, Kubernetes, Kafka, Maven, Junit, Mockito, Apache Tomcat, Postman, Eureka, IntelliJ, Spring Tool Suite

PROFESSIONAL EXPERIENCE

Web Application Pentester- Indian Servers, Vijayawada, India

May 2022 – Aug 2022

- Worked as a Pentester for web applications and contributed to web security auditing.
- Leveraged Burp Suite and OWASP ZAP to conduct thorough web application vulnerability assessments, specialized in detecting and mitigating SQL injection vulnerabilities.
- Utilized Grafana for real-time monitoring and detecting suspicious logs.
- Employed Wireshark for network scanning and packet inspection.
- Exposed to Malware Analysis, Computer Forensics, Open-Source Intelligence and Network Security.

PROJECTS

Predicting Network Connectivity in a vehicle (Python, Pandas, numpy)

May 2023

- Predicted the time at which the network might disconnect in relatively poor connection area while travelling using machine learning algorithms.
- Collected datasets using Raspberry Pi in locations with different network bandwidths.
- Analyzed the Accuracy of the dataset using SVM and KNN classification algorithms.
- Utilized LSTM algorithm dataset for multi-step ahead time forecasting to get Train Scores and Test Scores of the network and achieved 93% accuracy.

SOCIAL NETWORKING SYSTEM (HTML, CSS, JS, MYSQL, Apache, PHP)

Apr 2022

- Developed a system to enable users to connect and interact with each other.
- Users can search and connect with other users based on their interests, they can communicate with each other through private messaging and can join or create groups based on common interests or affiliations.
- The system also typically includes features for sharing photos, videos, and other media, as well as for creating and promoting events. Users can interact with each other by commenting on posts, liking, or disliking content, and sharing information with their own network of friends.

CERTIFICATIONS & INVOLVMENTS

- NPTEL Certification in C, C++, and Java organized by IIT Kharagpur.
- Metasploitable to assess security tools and hone penetration testing techniques for proactive defense.