

SAI TEJA REDDY MADDIKARA

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To advance my career with a leading organization that will utilize my growing computer science, information technology, and cybersecurity knowledge while also allowing me to develop further as a professional

Proven talent for aligning project strategy and objectives with established software development and cybersecurity paradigms to achieve maximum operational impacts with minimum resource expenditures. Growth-focused individual with academic expertise spanning software engineering, cloud engineering, machine learning, information security, cyber risk management, Python, C, SQL, Java, and CATIA. Exceptionally dedicated professional with keen interpersonal, communication, and organizational skills and project management, customer service, and problem-solving expertise.

EDUCATION AND CREDENTIALS

MASTER OF SCIENCE (M.Sc..) IN COMPUTER SCIENCE AND INFORMATION SCIENCE, MONTH 2025

Southeast Missouri State University, Cape Girardeau, MO

- Relevant Coursework: Distributed Cloud Computing, Cyber Security, Artificial Intelligence.

PROFESSIONAL EXPERIENCE

COURSE: WEB APPLICATION SECURITY, AUGUST 2024

FACE RECOGNITION CAMERA

- Served as lead developer and tester in a four-person team tasked with constructing a secure, web-based facial recognition camera for authentication purposes.
- Secured API endpoints, implemented facial recognition using OpenCV, and conducted comprehensive vulnerability assessments.
- Utilized Flask, JavaScript, Python, and OWASP ZAP to integrate core functionality and enforce application security.
- Earned an A and received recognition for creative application of security principles.

COURSE: DISTRIBUTED CLOUD COMPUTING, JANUARY 2024

DATABASE-BASED CLOUD APPLICATION

- Acted as backend engineer and cloud architect in a four-member team to design and deploy a scalable cloud-based application.
- Integrated MySQL with cloud infrastructure, deployed via Docker and Kubernetes, and ensured high availability using AWS EC2 and RDS.
- Prioritized scalability and reliability through distributed system principles and real-world deployment strategies.
- Achieved an A grade and commendation for effective implementation of cloud architecture.

COURSE: CYBERSECURITY, AUGUST 2023

RESEARCH PROJECT: DATA BREACH IN THE UNITED STATES (2023)

- Oversaw data analysis in a three-person research team investigating major data breaches in the United States that occurred in the past years, including the Anthem Data Breach.
- Conducted in-depth case studies, gathered and analyzed breach data trends, and presented results to the class.
- Leveraged tools such as Excel, PowerPoint, Google Scholar, and OWASP Top 10 to synthesize findings.
- Received top marks and faculty recognition for thorough research and insightful presentation.

ADDITIONAL INFORMATION

Languages: English, Hindi, Telugu.

Technical Proficiencies: Python, C, SQL, Java.

Interests: Photography, cricket, and gaming.