

SAI GANESH CHUNCHU

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EDUCATION

The University of Alabama in Huntsville, Huntsville, AL
Master of Science – Computer Science

Expected Dec 2025

Koneru Lakshmaiah Education Foundation, Vijayawada, India
Bachelor of Technology in Computer Science and Engineering

May 2023

SKILLS & INTERESTS

- Programming Languages: Python, JavaScript, C#
- Databases SQL Server, MongoDB
- Operating systems Windows, Linux
- Web Server/Client Technologies: XML, HTML and CSS
- Development Tools Visual Studio, Visual Studio Code
- Cloud: AWS(Amazon Web Service)

EXPERIENCE

AWS CLOUD VIRTUAL INTERNSHIP - AICTE – Edu Skills Virtual Internship

- Completed an AWS Cloud virtual internship with AICTE and Edu Skills, gaining hands-on experience in utilizing AWS cloud computing services.

Robotic process automation (RPA) virtual Internship- AICTE – Edu Skills Virtual Internship

- By using the Blue Prism tool created a bot that gathers all the data i.e number of active cases, deaths, vaccinated, recovered, the total number of cases of every individual country from the Covid visualizer website and stores the data in an Excel

PROJECTS

Enterprises Resource Management System

- Spearheaded the design and implementation of essential modules such as Login/Register, Human Resources, Inventory, Sales & Marketing, Purchase, Finance & Accounting, and Customer Relationship Management (CRM).
- Played a pivotal role in conceptualizing and defining the functionalities of each module to ensure comprehensive coverage of all business processes.
- Led the development team in creating a user-friendly interface for seamless navigation and efficient data management across all modules.
- Successfully concluded the project with comprehensive documentation, including user manuals, system architecture diagrams, and implementation guidelines, to facilitate smooth transition and adoption by end-users.

E Care Health Management System

- Played a key role in selecting appropriate technologies for the project, including front end (HTML), back end (MySQL Workbench), and framework (Spring Boot).
- contributed significantly to the development of various modules such as Admin, Appointments, Doctor, and Patient modules, ensuring their functionality and usability.
- Managed the database design and implementation using MySQL Workbench, ensuring efficient storage and retrieval of data.
- Created comprehensive documentation, including user manuals, system architecture diagrams, and implementation guidelines, to facilitate smooth transition and adoption by end-users.
- Presented a conclusive summary highlighting the benefits of the Health Care Management system and its potential for future enhancements and expansions.

Malware Analysis and Detection

- Conducted in-depth analysis of malware samples to understand their behavior, functionality, and capabilities.
- Implemented machine learning algorithms including Decision Trees, Support Vector Machines (SVM), Random Forest, XG Boost, and neural networks for malware detection, leveraging their ability to identify patterns and classify malicious code.
- Applied machine learning techniques to detect various types of malware, including viruses, Trojans, ransomware, scareware, adware, and spyware, thereby addressing a wide range of security threats.
- Utilized Window API sequence analysis combined with machine learning algorithms to detect known malware patterns and behaviors, enhancing the accuracy of malware detection.
- Contributed to advancing the field of cybersecurity by developing and applying innovative techniques for malware analysis and detection, ensuring the protection of computer systems and sensitive data.

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals (AZ-900)

- I am a Microsoft Certified Azure Fundamentals professional, proficient in foundational concepts of Microsoft Azure cloud services.

Aviatrix Certified Engineer Multi cloud Network Associate

- I am a certified Aviatrix Engineer, demonstrating expertise as a Multi-cloud Network Associate in the professional realm.

Microsoft Certified: Designing and Implementing Microsoft DevOps Solutions (AZ-400)

- I am proficient in designing and implementing Microsoft DevOps solutions, holding the AZ-400 certification.

Automation Anywhere Certified Advanced RPA Professional

- As a certified Advanced RPA Professional in Automation Anywhere, I bring expert-level proficiency in utilizing automation technologies to optimize professional workflows.

VOLUNTEER WORK

CENTRE FOR EXTENSION ACTIVITIES (CEA)

2020– 2023

- Played a crucial role as a member of the CEA in the Anti-Fire Campaign, aiming to raise awareness about the hazardous effects of bursting crackers during Diwali.
- Participated in campaigns and initiatives aimed at raising awareness about the harmful effects of smoking and drug abuse on individuals' health and well-being.
- Participated in advocacy efforts to promote awareness and respect for human rights principles and values within the community.
- Educated individuals about their rights and freedoms as outlined in international human rights laws and conventions.
- Volunteered time and effort to assist vulnerable individuals and communities affected by the COVID-19 pandemic