

Saikiran Goud Tirumani

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Education

Master of Science in Computer Science, Missouri University of Science and Technology, Rolla, MO, USA August 2022 – May 2024

- GPA: 3.71/4.0
- Relevant Coursework: Introduction to Database Systems, Cloud Computing, Java GUI, Analysis of Algorithms, Data Visualization.

Bachelor of Technology in Computer Science and Engineering, Sri Indu College of Engineering and Technology, India July 2018 – July 2022

- GPA: 3.6/4.0
- Relevant Coursework: Data Structures, Operating Systems, Web Technologies, AI, Distributed Systems, Design Analysis of Algorithms.

Technical Skills

Programming & Databases: Python, C/C++, C#, HTML, CSS, JavaScript, Java, MySQL, Firebase, PostgreSQL, MongoDB

Frameworks & Tools: AWS, Microsoft Azure, TensorFlow, OpenCV, Git, Flask, Angular, React, Bootstrap Node.js, Hadoop, Postman, Pig, Hive, Arduino

Professional Experience

Computer Software Development Instructor, Lewis and Clark October 2024 – Present

- Teaching computer software development concepts to students, designing curriculum, and fostering hands-on learning.
- Guiding students in practical software development skills, project work, and foundational programming principles.
- Creating real-time projects and working with real-time environment tools to provide students with practical experience.
- Collaborating with faculty to enhance course materials and adapt teaching methods to diverse learning needs.

Software Developer Intern, Radical AI June 2024 – Present

- Engaged in full-stack development, designing both user-facing elements and server-side logic of AI applications.
- Collaborated with AI Engineers and Product Designers to integrate AI functionalities, enhancing user experience.
- Conducted code reviews to ensure code quality and adherence to best practices.

Graduate Teaching Assistant, Missouri University of Science and Technology August 2023 – May 2024

- Assisted in conducting lab sessions and workshops for undergraduate students in a C++ programming course, enhancing hands-on learning experiences.
- Designed and developed instructional materials, assignments, and quizzes to reinforce C++ programming principles, resulting in a 20% increase in assignment completion rates.

Graduate Student Assistant, Missouri University of Science and Technology August 2022 – May 2024

- Evaluated assignments and conducted lab-based exams for students in the CS 2300 Introductory to File Systems course using GitHub.
- Assisted in teaching the CS 1575 Data Structures course, providing support during lab sessions and helping students understand complex data structure concepts.

Technology Consulting Virtual Intern, Deloitte June 2021 – August 2021

- Conducted client meetings and developed business cases, leading to a 20% increase in client satisfaction.
- Performed market analysis and assessed cloud feasibility, boosting strategic planning by 20% and raising client

satisfaction by 10%.

Academic Projects

Chatbot Application with Real-Time Communication

June 2024 – July 2024

- Developed a chatbot using React, Node.js, and Firebase, featuring real-time messaging and user authentication.
- Ensured instant chat updates through Firebase, with a responsive UI and scalable backend.

Sign Language Recognition to Voice and Text Using CNN

January 2022 – March 2022

- Designed and executed a project focused on translating sign language gestures into spoken words and written text using Convolutional Neural Networks (CNN), improving recognition accuracy by 20%.
- Implemented a CNN model for real-time sign language gesture recognition, reducing processing time by 15%.

Online Quiz System

July 2021 – October 2021

- Developed a web-based system for lecturers to evaluate students' performance through quizzes.
- Utilized HTTP, Java, and SQL to build the system, reducing evaluation time by 30% and increasing student participation by 20%.

Activities and Achievements

- Participated in a hackathon in 2020 and presented a new software idea to prevent road accidents, showcasing innovation and problem-solving skills.
- Attended and actively participated in the Graduate Research Assistant/Graduate Teaching Assistant workshop, enhancing teaching and research skills.
- Received certifications in C++ Programming (Udemy), Java & Python Course (UNschool), Programming with IoT Boards (Postech, Coursera), Web Development (Eduonix), and Introduction to R (Datacamp).