

Garikapati Sathwik

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SUMMARY

A detail-oriented B. Tech student specializing in Computer Science with a focus on Artificial Intelligence and Machine Learning (AIML). Currently pursuing opportunities to enhance skills and gain practical experience in the tech industry. Proficient in programming languages such as Python, Java, and C++, demonstrating hands-on experience through various academic projects. Possesses strong collaboration skills and the ability to communicate complex technical concepts effectively. Eager to contribute innovative ideas and technical expertise to address real-world challenges while further developing industry knowledge.

WORK EXPERIENCE

- Participated in various academic projects focusing on software development and machine learning applications.
- Engaged in team-based projects that required effective communication and collaboration under pressure.

PROJECTS

Maze Solver Application

[Link to Demo](#)

The Maze Solver Application is a visually engaging tool that demonstrates the functionality of two pathfinding algorithms: A* and the Right-Hand Rule. Utilizing OpenGL for rendering, this application generates mazes and visualizes the solving process in real-time. The A* algorithm efficiently finds the shortest path from the start to the end point by evaluating possible paths based on cost and heuristic estimates, while the Right-Hand Rule algorithm follows the right wall of the maze to navigate toward the exit. Users can observe how each algorithm explores the maze, making it an excellent resource for learning about pathfinding techniques and maze generation.

EDUCATION

B. Tech in Computer Science and Engineering (AIML)

Duration: September 2023 - Present

Institution: SRM University AP

Location: Neerukonda, Mangalagiri Mandal, Guntur District, Andhra Pradesh-522240

12th Grade (MPC)

Duration: September 2022 - June 2024

Institution: Bhashyam Institute

Location: Guntur, Andhra Pradesh, India

10th Grade

Duration: August 2020 - June 2021

Institution: Loyola Public School

Location: Nallapadu, Guntur, Andhra Pradesh, 522005, India.

PUBLICATIONS

- **Leveraging Remote Sensing for Ecological Restoration: Prospects and Challenges**
Status: Under Progress

SKILLS

Programming Languages Proficient in C++, Java, and Python.

- Technical Skills**
- Utilized machine learning techniques and neural networks for problem-solving.
 - Developed software solutions through academic projects.

- Soft Skills**
- Strong communication skills; able to explain technical concepts clearly.
 - Maintained composure under pressure in high-stress environments.

AWARDS

- **Best Entrepreneur Award**
Awarded for outstanding performance in the Entrepreneurial Boot Camp.
Cash Prize: 50,000
Institution/Organization: SRM University AP

HOBBIES AND INTERESTS

- Learning new programming languages.
- Volunteering for community service.
- Engaging in robotics or drone building.
- Art and illustration.

LANGUAGES

- Telugu: First Language
- English: C2 Proficient
- Hindi: B2 Upper Intermediate
- Chinese (Mandarin): A2 Elementary
- German: A1 Beginner
- Thai: A2 Elementary