Karthikeya Thimirishetty

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Summary

Computer science and engineering student with a strong foundation in the principles of computer science and experience applying this knowledge to the design, development, and deployment of software systems. Proficient in C, C++, Java, and Python, with a strong understanding of data structures and algorithms. Experience working on software development projects and ability to use version control systems, debug code, and write clear and maintainable code. Excellent communication skills and ability to work effectively in a team environment

Education

Computer Science and Engineering

MVSR Engineering College • Hyderabad, Telangana
05/2024

- Currently completing courses in computer science and engineering

Intermediate

Narayana Junior College • Hyderabad, Telangana
04/2020

- Completed my intermediate in MPC with an aggregate of 86%

Secondary School

Geetanjali Vidyalaya • Hyderabad, Telangana
04/2018

- Completed my secondary school of education with an aggregate of 9.7GPA

Skills

- Programming languages: C, C++, Java, Python
- Data structures and algorithms
- Software development: version control systems, debugging, code clarity
- Communication: team collaboration, technical writing, presentation

Projects

Intelligent College Assistant Chatbot

- Developed a chatbot named "Intelligent College Assistant" using the latest technologies like OpenAI API, LangChain, and Llama-Index
- Utilized natural language processing to understand and respond to user queries related to course information, campus resources, and academic support services
- Improved the user experience by incorporating machine learning algorithms to personalize responses and improve accuracy over time

Game Development Project

- Developed game using Unity game engine and programming languages such as C#
- Designed game mechanics, user interface, and visual assets
- Demonstrated creativity and problem-solving skills in game development.

Experience

Intern - Implementation Department (Data Science)

GHX India Pvt Ltd • Hyderabad, Telangana

05/2023 - 06/2023

- Developed an inventory demand forecast system for the hospital supply chain.
- Focused on accurate procedure demand forecasting.
- Created a sample web application from scratch to visualize time series plots and aid in data analysis.
- Developed a user-friendly web application that received positive feedback from management and enhanced decision-making processes.

Executive Committee Member

IEEE • Hyderabad, Telangana

05/2022 - Present

Content Writing Head (05/2022-05/2023)

- Led a team of content writers and managed content creation and publication for IEEE, ensuring high-quality materials for communication and marketing purposes.

Treasures of Computer Society (05/2023- Present)
- Currently serving as the Treasurer for IEEE's Computer Society. Responsible for managing finances, budgeting, and ensuring the smooth operation of the society's activities.

Event Coordination and Organizing Experience

DIY Web Event Coordinator (2022)

- Coordinated the DIY Web event as part of Technovanza 2022, an annual flagship event conducted by IEEE MVSR SB.
- Organized the event where 15 students participated and worked on developing web applications using Google Sites.

TechX Hackathon Organizer (2023)
- Organized the TechX Hackathon as part of Technovanza 2023, an annual flagship event conducted by IEEE MVSR SB.
- Coordinated with BlackBucks, a company, to develop the hackathon platform, collaborating on design, functionality, and implementation.
- Oversaw the participation of 16 teams, with each team consisting of 3 members, fostering innovation and teamwork.

Licenses & certifications

- AWS Academy Graduate - AWS Academy AL-ML
- AWS Academy Graduate - AWS Academy Cloud Foundations
- CISCO Netacad - Programming Essentials in C