

KARTHIKEYA THIMIRISHETTY

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Hyderabad, India

EDUCATION

B.E. in Computer Science and Engineering

MVSR Engineering college · Hyderabad, Telangana

Aug 2020 - Jul 2024

GPA:7.8/10

Intermediate

Narayana Junior College · Hyderabad, Telangana

Mar 2018 - Mar 2020

Percentage: 86.4%

Secondary School

Geetanjali Vidyalaya · Hyderabad, Telangana

Mar 2018

GPA:9.7/10

SKILLS

Languages: C, Python, Java, C++, HTML, CSS, JavaScript, SQL

Frameworks & Libraries: Django, Flask, NumPy, Pandas, Sci-kit-learn

Tools: MySQL, Git, Visual Studio, GitHub, Jupyter Notebook, Google Colab

Others: Data Structures & Algorithms, Database Management, Computer Organization, Operating System, Web development, Machine Learning, Data Science.

EXPERIENCE

Global Healthcare Exchange (GHX) Pvt. Ltd.

May 2023 - June 2023

Data Science Intern

- Developed an procedure 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.

IEEE MVSR Executive Committee

Content Writing Head

May 2022 - May 2023

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

Treasure of Computer Society

May 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

TechX Hackathon Organizer (2023)

- Organized State level Hackathon with over 16 teams from different colleges, fostering innovation and teamwork.

DIY Web Event Coordinator (2022)

- Coordinated the DIY Web event as part of Technovanza 2022, an annual flagship event conducted by IEEE MVSR SB.

CERTIFICATIONS

AWS Academy: Cloud Foundation

AWS Academy: AI-ML Internship

Cyber_ekta: Cybersecurity Internship

Cisco Netacad: Programming Essentials in C.

Spoken Tutorial Project IIT Bombay: RDBMS PostgreSQL

Saylor Academy: Software Engineering

PROJECT

Intelligent College Assistant using OpenAI APIs

- 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

Movie Recommendation System using Collaborative Filtering

- Implemented a movie recommendation system using collaborative filtering and TF-IDF vectorization in Python.
 - Visualized movie ratings distribution and delivered precise movie suggestions based on user preferences.
 - Demonstrated expertise in data preprocessing, machine learning, and data visualization techniques.
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