





KOUSHIK REDDY KADARI

Hyderabad, Telangana, India

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Education

Keshav Memorial Institute of Technology, Hyderabad

2022 - Present

B.Tech in Information Technology

9.47 CGPA

Sri Chaitanya Junior College, Hyderabad

2020 - 2022

Maths Physics Chemistry (MPC)

98.4 %

Technical Skills

Languages: C, C++, Python, Java, Javascript

Frontend: React.js, Tailwind, Bootstrap, HTML, CSS

Backend: Node.js, Express.js, Flask

Databases: MySQL, MongoDB

Tools and Platforms: Git, GitHub, Unix/Linux, Postman, Google Colab, VS Code, Windows

Experience

Defence Research & Development Laboratory (DRDL)

Jun 2024 – Feb 2025

Research Intern – Parallel Computing and CUDA

Hyderabad, Telangana

- Optimized sequential code to parallel code using CUDA, achieving a **25% speedup in performance** and efficiency.
- Implemented and tested CUDA kernels, **achieving significant speedup** in computational tasks.
- Conducted **performance analysis and debugging** of CUDA applications to ensure optimal functionality.

Projects

SkillForge  | Working Demo  | React.js, Express.js, MongoDB, LLM, Gen AI

Feb 2025

- Built a **MERN-based learning platform** integrated with **LLM**, enabling users to explore computer science topics through **AI-generated content and explanations**.
- Implemented **AI-powered quizzes** and an intelligent **“Chat with PDF”** tool for personalized doubt clarification using user-uploaded documents.
- Added features like **note-taking**, curated learning paths, and embedded **YouTube resources** to deliver a dynamic and interactive learning experience.
- Integrated a dedicated **code editor** for hands-on practice and an **Interview Bot** to simulate technical interview scenarios.

Registration Info LLM  | React.js, Express.js, MongoDB, LLM, Gen AI, Flask

Jul 2024

- Developed a **customized LLM component** for the Registration Department’s service platform, serving as the first point of contact for citizens.
- Utilized **Retrieval-Augmented Generation (RAG)** to enhance the accuracy and relevance of LLM responses.
- Developed dynamic pages using React to enhance user interaction and responsiveness, implemented authentication using **JWT** and **SMTP**.

Movie Recommendation System  | Working Demo  | Python, Streamlit, NLP, Cosine Similarity

May 2024

- Built a content-based movie recommendation system using **Natural Language Processing (NLP)** and **cosine similarity** to suggest similar movies based on user input.
- Designed an interactive and responsive frontend using **Streamlit** for seamless user experience.
- Utilized **Pickle** to serialize and load pre-trained models and datasets efficiently.
- Deployed the application with a user-friendly interface that displays **movie posters and titles** for each recommendation, enhancing user engagement and experience.

Achievements and Certificates

- Achieved **top 7% on Leetcode** with a **1810+ rating** and solved **900+ problems**.
- Secured **2nd place in Code Sangram**, showcasing problem-solving and programming skills as a first-year student.
- Achieved **3rd place** among 500+ teams in **IIT Jammu’s Hack-o-Calypse 24**.
- Consistently achieved the highest academic standing as the **College Topper in first semester**.
- Problem Solving Through Programming In C - NPTEL
- AI For India 2.0 - GUVI, IITM Research Park
- Gemini API by Google - Udacity
- Python Expert Level - GUVI, IITM Research Park