

# KOUSHIK REDDY KADARI

Hyderabad, Telangana, India

☎ +91 7671898733 ✉ [kaushikkadari456@gmail.com](mailto:kaushikkadari456@gmail.com) [in kaushik-kadari](#) [kaushik-kadari](#) [Portfolio](#) [Leetcode](#)

## 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** [🔗](#) | 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**.

**MetroWeather** [🔗](#) | React, Vite, Node.js, Express.js, OpenWeather API, LLM

Oct 2024

- Built a responsive weather application providing real-time weather updates using the **OpenWeather API**.
- Displayed current weather conditions, daily summaries, and a **5-day forecast** with an intuitive UI.
- Integrated **location-based search** to let users find weather info by city or using GPS.
- Current Weather:** Displays real-time weather data including **temperature**, **humidity**, and **wind speed**.
- Daily Summary:** Utilized **AI techniques** to generate concise summaries, offering **insights and suggestions** based on the day’s weather conditions.

## Achievements and Certificates

- Achieved **top 7% on Leetcode** with a **1810+ rating** and solved **870+ 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