

ARIGELA SRUHAAS KARTHI

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SUMMARY

I'm a Full Stack Developer passionate about building practical, intelligent applications that make technology more efficient and user-friendly. My experience spans both front-end and back-end development, which allows me to design systems end-to-end — from intuitive interfaces to robust, scalable backends. I'm particularly fascinated by how software and AI can work together, and I've been exploring tools like LangChain, LangGraph, and Retrieval-Augmented Generation (RAG) to create systems that understand context and respond intelligently to real-world needs. I thrive on tackling new challenges and contributing to projects that deliver meaningful value, drive improvement, and foster growth — both for myself and the teams I collaborate with.

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech, CSE	CMR College of Engineering and Technology	8.17	2022–26
Intermediate MPC	Aaditya Junior College, Karimnagar	83%	2022
SSC	Paramaita High School, Karimnagar	100%	2020

TECHNICAL SKILLS

Languages: Java, JavaScript | Familiar: Python, C

Web Technologies / Frameworks: HTML5, CSS3, React, Node.js

Databases: MySQL, MongoDB

Data Visualization: Power BI, Tableau

AI & Machine Learning: LangChain, LangGraph, RAG, Basics of NLP, Embeddings, Vector Databases

Profiles: GeeksforGeeks, LeetCode, CodeChef

PROJECTS

My Cloud – Secure File Storage Web App | *HTML, CSS, JavaScript, Node.js, Express, MySQL, API*

[GitHub](#) | [Live Demo](#)

Full-Stack Web Development Project

- Developed a secure, responsive cloud application for uploading, storing, and managing user files.
- Built RESTful APIs with Node.js and Express and integrated MySQL for data management and authentication.
- Optimized database queries and backend structure for improved performance and reliability.
- Gained practical experience in full-stack development, API design, and deployment.

Home Foods – Food Ordering System | *Node.js, MongoDB, CSS, Vercel*

[Live Demo](#)

Web Development Project

- Architected a full-stack food ordering system with real-time menu updates and order tracking for **50+ concurrent users**.
- Developed an admin dashboard for order processing, inventory management, and delivery monitoring.
- Deployed on Vercel with CSS, achieving a **98% Lighthouse performance score**.

Smart Document Assistant using AI | *Node.js, LangChain, RAG, Embeddings, LLMs*

Artificial Intelligence Project

- Built an AI-powered document assistant that answers user queries from uploaded files using **LangChain** and **RAG**.
- Implemented document chunking, embedding generation, and semantic search for accurate, context-aware responses.
- Designed the backend with **Node.js** and integrated vector databases for efficient information retrieval.
- Showcased expertise in **AI-driven document processing**, **NLP**, and **full-stack system design**.

ACHIEVEMENTS

Problem Solving: Solved over **450+ problems** across platforms including LeetCode, CodeChef, GeeksforGeeks, MentorPick, and HackerEarth, strengthening understanding of data structures, algorithms, and problem-solving strategies.

Practical Development: Built multiple mini-projects to apply classroom concepts, gaining hands-on experience and confidence in transforming ideas into functional solutions.

Design & Frontend Integration: Experimented with UI/UX design in **Figma** and connected prototypes with frontend code, improving user experience and enhancing full-stack development workflow.