

SAINATH REDDY KUCHURU

Aspiring software developer with a strong foundation in Data Structures and Algorithms (DSA) using Java, as well as expertise in machine learning and natural language processing. Passionate about problem-solving, AI-driven applications, and optimizing system efficiency. Seeking opportunities to apply my analytical and programming skills to develop innovative and scalable solutions.

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EDUCATION

B.V Raju Institute Of Technology

Artificial Intelligence and Data Science - 8.0710

November 2021 - November 2025

Narayana IIT Academy

Pre University - 98.2100

April 2019 - September 2021

The Creek Planet School

Secondary Education - 87100

June 2018 - March 2019

PROJECTS

CoRE System

Interactive web application for AI-driven expert collaboration and query processing

- Designed and implemented a Streamlit-based application for multi-model expert reasoning, leveraging small language models (LLMs) like Llama, Phi, and Qwen for query analysis and aggregation.

Technologies: Streamlit, LangChain, FAISS, Plotly, Google GenAI, Ollama.

ChatPDF

Interactive web application for PDF content extraction and Q&A

- Designed and implemented a Streamlit-based application to upload PDFs, extract and index content, and use the Google Gemini API for question- answering.

Technologies: Streamlit, PyPDF2, Langchain, FAISS, Google GenAI

NoteShala

A Web Application for Uploading and Sharing Notes

- Developed a web application backend using **Spring Boot REST APIs** to streamline the process for students to upload, manage, and share course-related notes, documents, and files, enhancing collaborative learning.
- Focused on building secure and scalable APIs to handle user authentication, file uploads, and note retrieval.

Technologies: Java, Spring Boot, Spring Security, REST API, MySQL, JWT

SKILLS

- Programming Languages : Java, Python
- Back-end: Spring Boot
- Front-end : HTML, CSS
- Domain : Machine Learning, Data Science, Natural Language Processing
- Database : SQL

CERTIFICATE

- Spring Framework 6 Spring Boot 3 - Telusko (June 2025)
- AIML Workshop - IIT Hyderabad (Feb 2022)
- Machine Learning - AWS Academy (Aug 2023)
- Smart Coder Certification - Certified in DSA by Smart Interviews (Sep 2024)