K HARIPRASAADH

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in Linkedin

GitHub

Portfolio

Proficient in Data Structures and Algorithms using Java, with a strong foundation in designing efficient and optimized solutions. Experienced in full-stack web development using Next.js, along with hands-on expertise in developing machine learning models and intelligent AI agents. Adept at delivering end-to-end AI-driven solutions by combining algorithmic thinking with practical implementation skills across software and AI domains.

Education

Vellore Institute of Technology

Aug 2023 – May 2027

B.Tech in Computer Science (AI and ML)

CGPA: 9.62

2023

PS Senior Secondary School, Mylapore

Percentage: 94.4%

Grade 12

Technical Skills

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

Frameworks: Tensorflow, Langchain, LangGraph, FastAPI, React.js, Next.js

Tools: Git, Github, Postman, Figma, Visual Studio Code

Cloud and Cloud native: AWS, Docker

Soft Skills: Leadership, Event Management, Public Speaking, Logical thinking

Experience

Open Source Programming Club

AI & ML Lead

Chennai, India

- Led the development of 5+ AI-based projects, ensuring the integration of cutting-edge technologies and fostering a collaborative, learning-driven environment.
- Organized and directed 10+ collaborative projects and workshops, enhancing the club's technical impact.

Projects

CareerTrack — Langchain, TensorFlow, Next.js 📢

- Integrated an ATS resume matcher that analyzes job descriptions and scores applicant resumes with up to 90% accuracy, streamlining candidate-job fit and improving application success rates by 25%.
- Integrated advanced AI chatbots and recommendation engines using Retrieval-Augmented Generation (RAG) and Agentic AI to deliver real-time, personalized educational guidance and career advice tailored to individual interests and performance.

Konvoo — Next.js, TypeScript, Prisma, PostgreSQL 🗘

- Built a modern, full-stack social media app with authentication, real-time post interactions, and sleek animations using Framer Motion for enhanced UX.
- Implemented robust backend using Prisma ORM with PostgreSQL and integrated Clerk for secure and seamless user authentication.

Crop-Core Tech — TensorFlow, FastAPI, React Native, YOLO

- Implemented YOLOv11 + EfficientNet-based deep learning models achieving 90%+ accuracy in real-time detection of plant diseases and pests, reducing crop losses by an estimated 25%.
- Developed a market price tracker that scrapes real-time crop prices from multiple sources and predicts future price trends, helping farmers improve selling decisions and increase profits by up to 15%.

Achievements

- Reliance Foundation Undergraduate Scholar 2023: Selected as one of the top 5000 individuals out of a competitive pool exceeding 300,000 applicants.
- AI/ML Batch Rank Holder: Secured Rank 6 with a CGPA of 9.62 in my 2nd year of B.Tech CSE (AI&ML).

Certifications

• Data Analysis with Python (IBM)

February 2024

• Machine Learning Specialization (Standford University)

July 2024

• Computer Vision and Image Processing (IBM)

August 2024

• Generative AI with Large Language Models (AWS)

February 2025