# K HARIPRASAADH

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B. Tech undergraduate at VIT University, specializing in Artificial Intelligence and Machine Learning. Skilled in data analysis, machine learning, deep learning, computer vision, NLP, and generative AI. Familiar with frontend development, integrating ML models into user-friendly applications.

#### Education

#### Vellore Institute of Technology

Aug 2023 - May 2027

B.Tech in Computer Science (AI and ML)

CGPA: 9.64

2023

PS Senior Secondary School, Mylapore

Percentage: 94.4%

Grade 12

### Technical Skills

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

Frameworks: Tensorflow, Keras, OpenCV, Hugging Face, Langchain, LangGraph, FastAPI

Tools: Git, Github, Figma, Visual Studio Code

Cloud and Cloud native: AWS, GCP, Docker, Kubernetes

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

## Experience

### Open Source Programming Club

AI & ML Lead

Chennai, India

- Led the development of AI-based solutions, ensuring the integration of cutting-edge technologies and fostering a collaborative, learning-driven environment.
- Directed collaborative projects and workshops, promoting open-source innovation and enhancing the club's technical impact.

## **Projects**

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

- Real-Time Disease Detection: Integrated YOLOv8-based deep learning models for rapid detection of plant diseases and pests through high-resolution imagery, enabling proactive intervention and minimizing crop loss.
- Crop Yield Prediction: Developed predictive models using supervised learning, leveraging historical and realtime environmental data to forecast crop yields and optimize resource allocation.
- ML-Driven Crop Recommendation: Developed a machine learning algorithm to recommend optimal crops based on soil conditions, climate data, and previous yields, boosting farm productivity.

## CareerTrack — Langchain, TensorFlow, Qdrant, GroqCloud, React 🗘

- AI-based web application providing personalized course and job recommendations, while supporting students' mental health and well-being.
- Integrated GenAI-driven chatbots and recommendation systems with RAG (Retrieval-Augmented Generation) and Agentic AI to offer real-time, tailored educational guidance and career advice based on individual interests and performance.

### Achievements

• Reliance Foundation Undergraduate Scholar 2023: Selected as one of the top 5000 individuals out of a competitive pool exceeding 300,000 applicants.

### Certifications

• Data Analysis with Python (IBM)

February 2024

• Machine Learning Specialization (Standford University)

July 2024

• Computer Vision and Image Processing (IBM)

August 2024