

# HARIHARAN E

Python Developer

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## SUMMARY

I am a highly motivated and detail-oriented Python developer with a solid foundation in web application development, including HTML, CSS, JavaScript, Python Flask and Machine Learning. I possess strong collaboration and problem-solving skills developed through real-world projects, and I am eager to contribute and grow as a Python and ML developer intern.

## EDUCATION

Bachelor of Technology in Information Technology	11/2022 - 05/2026
PSNA College of Engineering and Technology	Dindigul, Tamilnadu
CGPA   7.6 / 10	
Higher Secondary Certificate	05/2022
Swamy Matriculation Hr. Sec. School	Palani, Tamilnadu
• 83%	
SSLC	2020
Swamy Matriculation Hr. Sec. School	Palani, Tamilnadu
• 76%	

## PROJECTS

### Bangalore house Price predictor

Machine learning project for predicting house prices

- Developed a machine learning model to predict house prices in Bangalore based on various factors
- Created API endpoints to handle data requests and return real-time price predictions
- Tech Stack: HTML, CSS, JS, Flask, Linear Regression

### Aquasense - Household water monitoring system

Integrating AI and IoT for water management



- Developed the backend to integrate AI and IoT models for monitoring water usage
- Worked with STM32-L475E microcontroller for real-time alerts and management
- Tech Stack: Flask, CNN, Python, MbedOS, STM32

### Plant Disease Classifier

Plant Disease Classifier is a web-based application that helps identify plant leaf diseases using deep learning.

- It uses a Convolutional Neural Network (CNN) to classify diseases from images of affected leaves
- The backend is built with FastAPI, which handles image processing and model inference, while the frontend is developed using React, allowing users to capture or upload leaf images.
- Tech Stack: React, FastAPI, CNN

## KEY ACHIEVEMENTS

- **Finalist in AICTE Innovation Challenge 2024**  
Greater Noida - Nov 2024  
Reached the finals in a national innovation challenge
- **5th Place in MATHACK 2.0 - T-Hub**  
T-Hub, Hyderabad - Sep - 2024  
Achieved 5th place out of 10,000 registrations in a national math competition



## SKILLS

Languages : Python · Java · C · JavaScript · SQL

Web Dev: HTML · CSS · JS · Python Flask

Technologies: Machine Learning

Tools: Git · Github · Figma · Postman · Firebase

Databases: MongoDB · MySQL

## INTERESTS

-  ML Applications Development
-  Python, Java Backend Development




## COURSES

- Udemy - The complete Python developer
- Cisco - Javascript essentials
- CodeChef - Java course
- Oracle - Java foundations

## LANGUAGES



## STRENGTHS

- **Leadership**  
Lead the team to achieve 5th place in MATHACK 2.0
- **Problem solving and Innovation**  
Ideated and developed a project InsureAI that got 5th position in T-Hub's MATHACK - 2.0
- **Teamwork**  
Collaborated with teams for different projects