Nihal Thangallapally

Python Full Stack | Ethical Hacking
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SKILLS

PROGRAMMING

Languages

- Advance: Python, Java
- Intermediate: C,
- Novice: JavaScript

Tools

- GIT • Linux • Windows

Frameworks

- React
- React Native
- Vue

Technologies

- HTML • CSS
- SQL • MongoDB
- Flutter (Android Development)
- Intermediate: Raspberry Pi 4

OTHERS

- Reading Books
- Travelling
- Exploring new technologies

EDUCATION

B. Tech, CSE
SR University
2021-25 | Warangal
CGPA: 7.0

Intermediate, MPC
SRJunior College
2019-21 | Vizag
Percentage: 48%

State Board
Bharathi Vidya Bhavan
2018-19 | Warangal
Percentage: 90%

LANGUAGES KNOWN

• English • Hindi • Telugu

LINKS

Github:// NihalThangallapally
LinkedIn:// NihalThangallapally
LeetCode:// NihalThangallapally

PROJECT(S)

Breast cancer prediction — Python | ML

Problem: It is one of the common cancers with a high death rate where early detection leads to much better survival. Conventional diagnostics are usually invasive and expensive; hence, machine learning offers an efficient non-invasive approach to the early detection of this deadly disease.

Link:// Breast Cancer Prediction

Expense Tracker Application — React | GoogleCloud Firebase

Problem: A personal finance management application would help track an individual's income, expenses, budgets, and savings goals more efficiently. Such applications provide insight into one's spending habits, aids in creating budgets, inform the user of upcoming bills, and give tools to plan better financially and make better decisions. Its long-term aim is toward better financial literacy and enhancing the practice of money management.

Link:// Expense Tracker

Web Application Firewall — Python | MYSQL | Cloud WAF

Problem: Developed a system that monitors, analyzes, and guards applications against threats by incorporating Python, SQL, and WAF. The developed solution will simplify the real-time management of WAF rules, log monitoring, and data analysis to identify and respond to security risks.

Link:// WAF

AI Powered Traffic Sign Detection — Python | Raspberry PI | MongoDB | OpenCV

Problem: This project is aimed at developing a real-time traffic sign detection system using Raspberry Pi in order to make safe navigation of an autonomous vehicle possible. It needs to correctly identify signs in diverse environmental conditions as it is low in power processing and should provide the lowest level of latency, thus promoting safe autonomous decision-making while being an affordable and efficient tool for real-world applications.

PARTICIPATIONS AND ROLES:

Attended Undergraduate Business meeting and gave an idea presentation

Given an idea presentation in T-HUB

Attended workshop on Drones and received certificate and award

Worked as Volunteer for Telangana's biggest student carnival PROST

Member of Rotaract Club Hyderabad

CERTIFICATIONS

Ethical Hacker (Intermediate) : By CISCO
Professional Business Analytics from University of ILLINOIS : Coursera