PEDDU.SAI HARIKA

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ABOUT

Current Student enrolled in Amrita Vishwa Vidyapeetham B.Tech in CSE with specialisation in Artificial Intelligence, with hands-on experience through studies and research.An aspiring ML engineer experienced in classification and predictive modelling, Deep learning, Image Processing, Networking and its application in real-world.

PROJECTS

Project 1 - 2019
Sheldon-QTool

- The Sheldon QTool is a user-friendly app that helps the user learn basic concepts of Mechanics through practice. The app provides visual demonstration to user by plotting the user provided shape on a graph.The user can zoom in or out of the graph according to his convenience.
- **Tech Used: C++, XML language.**

Project 2 -2020
Segment It

- The Image Segmentation project deals with segmenting the fore ground objects from the background from the video dataset. Back ground Subtraction from the video is achieved by applying basic concepts of Liner Algebra and Machine Learning.
- **Tech Used: Computer Vision, Image Processing, MATLAB Face.**

Project 3 - 2021
COvi-Relief Mobile Application

- The mobile application helps the user to detectif others in their surroundings are taking proper precautions bywearing a mask or not and the Chat bot feature helps the userby providing him the necessary information related to theirqueries in real-time.
- **Tech Used: Dart, Flutter, Machine Learning, Python**

PUBLICATIONS

- Presented the accepted research paper at the 4th ICECA'20 on Suraksha - a compact, wear able low cost device built using NodeMCU and PIR Sensors that helps the user to maintain social distance with others during the COVID-19 pandemic using IoT technology by alerting the user when they come into close proximity of another individual.

SKILLS

Java Python HTML Matlab
Machine Learning Big Data Analytics
Image Processing Deep Learning
Spring Boot

LANGUAGES

English
Telugu
Hindi

EDUCATION

B.Tech. in Computer Science with specialization in Artificial Intelligence
Amrita Vishwa Vidyapeetham, Kerala

📅 July 2019 - June 2023

9.14 CGPA

Higher Secondary
Naraya Amaravathi Campus, Andhra Pradesh

📅 2017 – 2019

10 CGPA - SSC

Schooling
Nirmala High School, Andhra Pradesh

📅 2017 Pass Out

9.7 CGPA - SSC

CERTIFICATIONS

- **Programming for Everybody (Getting Started with Python)**
- **Introduction to Python**
- **Intermediate Python**

- **Listed by WHO 2022**
- **Tech Used: Python, IOT**

- **Python Data Science Toolbox**

COMPETITIONS

- **Flip kart Grid Challenge**
  Designed a bot for Delivery using current technology designing it more efficiently with time Constrain.
- **Tech Used : Python, Image Processing, ROS**

EXPERIENCE

- **Student Intern**
  CIGNITI TECHNOLOGIES
  Responsible for Data Analysis Based architecture tool development on a project for Data management in a large environment.
- **Duration : Nov-2021 to Feb-2022**
- **Tech Used : Python, Big Data, NLP**