SANDHOSH

⊙ Theni ⊠ sandhoshtechie02@gmail.com ☏ 8778692231

⌂ Github ⟨⟩ Leetcode ⊙ Portfolio in linkedin

ABOUT

I'm an AI & Data Science engineering student with a strong foundation in AI model development. I enjoy building end-to-end intelligent systems, experimenting with advanced algorithms, and exploring emerging technologies in the AI ecosystem

EXPERIENCE

WG Tech Solutions Pvt. Ltd – (Stipend Intern)

AI model training Engineer

▦ May 2025 - November 2025

- Handled data collection, preprocessing, and labeling for model training.
- Trained, fine-tuned, and evaluated AI models to enhance accuracy.
- Supported real-time AI project workflows as part of the internship team

SKILLS

- **Skills :** AI model fine-tuning , AI model training ,React js , Node js , MY SQL,

- **Programming Languages :** Python , c++ , Java script ,php

- **Libraries :** TensorFlow , Keras , Scikit-Learn , Pandas Flask , FastAPI

ACHIEVEMENTS

- Solved 50+ problems on LeetCode – Global Rank 1,931,451

- GitHub: 912+ commits showcasing continuous learning & project contributions

COMPETITIONS

- Participated in Kaggle – OpenAI + Amazon Write-Up Challenge

- 36-hour Hackathon at Karur Kumarasamy College of Engineering

- Quantahon 2.0 X IBM Qiskit offline in (SRM chennai) , organized by SRM University!

- Hackathon - HackZion V.1 at AMC Engineering College, Bengaluru

EDUCATION

Nadar SaraswathiCollege of Engineering and Technology /BTech - AI& DS .

Theni, Tamil Nadu, India **7.8 (up to 6th semester)**

▦ 2022 - 2026

PROJECTS

Safety-gear - PPE Detection (YOLO)

- A YOLO-based Safety-Gear PPE Detection system that identifies helmets, vests, gloves, and other protective equipment in images and videos.
- Includes scripts for local video inference, Google Colab webcam detection, and video-to-frame conversion, making it usable across different environments.
- Provides sample JSON output generated from inference results.

Links : **GitHub**

Retail-monitoring

- Scripts for running YOLO-based real-time object detection on images, videos, and live feeds.
- Includes basic retail analytics like customer IN/OUT counting and simple theft detection.
- Displays model output using a front-flash visual interface with live bounding boxes and alerts.

Links : **GitHub**

NSCET-HACKATHON-MANAGEMENT

- Centralized platform to manage hackathon applications, teams, and problem statement registrations efficiently.
- Simplifies organization by providing clear problem statement displays and smooth participant coordination.
- Saves time and reduces manual effort through an automated .

Links : **GitHub   Live**

PyLab (PyLearn)

- Lightweight interactive Python learning platform with lessons, quizzes, coding challenges, and an in-browser Pyodide runner.
- Built with a Vite + React frontend and an Express + MySQL backend to manage user progress and content.

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SKILLS

- **Skills :** AI model fine-tuning , AI model training ,React js , Node js , MY SQL ,Unix Commands ,system monitoring
- **Programming Languages :** Python , c++ , Java script php, c
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  Links : GitHub

Mushroom health prediction

- Trained two classification models (Button Mushroom & Oyster Mushroom) using labeled healthy/diseased datasets.
- Built an inference pipeline that predicts mushroom health status from uploaded images.
- Displays prediction results with a front-flash UI showing whether the mushroom is healthy or diseased.

  Links : GitHub

PyLab (PyLearn)

- Lightweight interactive Python learning platform with lessons, quizzes, coding challenges, and an in-browser Pyodide runner.
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