PEDALANKA NIHARIKA

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ABOUT ME

Self-motivated and detail-oriented individual with strong knowledge of Java programming and object-oriented principles. Skilled in problem-solving and logical thinking, with a passion for software development. Looking for an opportunity to apply my technical skills in a dynamic and growth-oriented IT environment.

EDUCATION

Dhanekula Institute Of Engineering and Technogy | 2021-2025

Bachelor of Technology in ECE CGPA:7.81

N.R.I Jr. Kalasala | 2019-2021

Intermediate in MPC Percentage:94.5

Z.P. High School, Kollipara | 2018-2019

SSC GPA:9.0

SKILLS

- Programming : Java
- Web : HTML,CSS
- Database : SQL

Tools

- VS Code

PROJECTS

Enhancing Crop Health Monitoring Using Vision Transformer for Rice Leaf Disease Detection

Built a rice leaf disease detection model using Vision Transformer (ViT) to classify common leaf issues with 99% accuracy. Used a Kaggle dataset with preprocessing and augmentation for better training. Implemented the pipeline in Python with Flask. The model supports accurate crop health monitoring for smarter farming decisions.

Web Data Mining To Detect Online Spread Of Terrorism

Designed a machine learning model using Naive Bayes to classify extremist content. Efficiently processed large datasets through feature extraction. The model demonstrated strong accuracy, highlighting its potential in real-time content monitoring.

NotesApp

Created a web-based Notes App using HTML, CSS, and JavaScript with a clean, interactive interface. Enabled users to manage notes easily, with data stored in local storage for persistence across sessions.

CERTIFICATION

- Completed "Introduction to Internet of Things" (NPTEL) with an 76% score.
- Achieved FSD certificate on IIDT BlackBucks.
- Achieved ML certification on Chip Electronics.
- Completed HTML, CSS on Coursera.
- Secured third prize in the “Master the Art of Machine Learning” Hackathon for innovative project development,demonstrated by Dhanekula Institute of Engineering and Technology.