

Neeraj Yadav Gosu

Ongole, A.P., India

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EDUCATION

Kalasalingam University

Bachelor of Technology in Computer Science - 6th Sem - 8.57 CGPA

2021 – 2025

Krishnankoil, Tamil Nadu

Narayana Junior College

12th - MPC - 9.82 GPA

2019 – 2021

Ongole, A.P.

TECHNICAL SKILLS

Languages: HTML, Java, Python, SQL

Developer Tools: VS Code, IntelliJ IDEA, NetBeans

Technologies/Frameworks: Git, GitHub, MySQL

PROJECTS

Glacier Melt Monitor and Smart DiseaseDiagonos | Python, Flask, Streamlit

- **Developed** a predictive model to forecast glacier melt and several diseases using Support Vector Machine (SVM) algorithm.
- **Implemented** the backend using Python and Flask, ensuring efficient data handling and model integration.
- **Created** an interactive web application using Streamlit to visualize predictions and model insights.
- **Achieved** high accuracy in predictions, contributing to environmental research and awareness.
- [Glacier Melt predection Download](#) (Github)
- [Smart Disease Diagnosis link](https://smart-disease-prediction.onrender.com/) (https://smart-disease-prediction.onrender.com/)

Anomaly Detection in Voice Data

- **Developed** an anomaly detection system to identify irregularities in conversational speech using features like MFCC, spectral centroid, zero drift value, and power.
- **Processed** and analyzed large volumes of voice data using statistical methods such as PCA, Z-score, Isolation Forest, and LOF to detect anomalous patterns.
- **Created** a user-friendly interface for uploading audio files, visualizing extracted features, and interpreting detection results.
- **Approved** a paper in IEEE to publish, contributing to telecommunications, cybersecurity, and healthcare by enhancing the reliability of voice communication.

PUBLICATIONS

IEEE Publication link : **Anomaly Detection in Voice Conversations through Spectral Features**

ACHIEVEMENTS

- Won Thrid prize in GFG Algorithimist DSA solution round
- Came in Top 10 in IIIT Kaancheepuram ML hacakthon
- Solved 50+ Leetcode problems in Java
- Built react web apps using prompts.
- Worked on many ML and CNN algorithms