JANANI R

8438521423 jananiraguraman012@gmail.com

GITHUB - https://github.com/janani0673 **LINKEDIN** - https://www.linkedin.com/in/janani-r-632a73290/

PROFESSIONAL SUMMARY

A passionate learner in the Data Science domain, focused on transforming raw data into meaningful insights. Proficient in data analysis, data preprocessing, and Machine Learning, with hands-on experience using Python and modern data science tools. Recognized for strong analytical thinking, effective problem-solving skills, and a continuous drive to apply data-driven solutions to real-world challenges

PROJECTS

AI DISEASE PREDICTION — MAY 2025

The AI Disease Prediction project uses machine learning to predict diseases from patient medical data. Data is processed using Pandas and visualized with Matplotlib to identify patterns. A Decision Tree Classifier built with Scikit-learn performs the prediction. The model is deployed using Flask to provide instant results through a web interface.

ROAD ACCIDENT SEVERITY PREDICTOR — JULY 2025

The Road Accident Severity Predictor uses machine learning to predict the severity of road accidents based on accident-related factors. Data is analyzed and visualized using Seaborn to identify important patterns. A Random Forest Classifier built with Scikit-learn is used for accurate severity prediction. The system is deployed as a Streamlit application with report generation support.

PNEUMONIA DETECTION — NOVEMBER 2025

The Pneumonia Detection project uses deep learning to identify pneumonia from medical images. A TensorFlow-based model analyzes input images to detect infection patterns. The system is deployed using Streamlit, allowing users to upload images and get instant results. Reports are generated with patient details and prediction time for easy documentation.

HEART DISEASE PREDICTION — JANUARY 2026

The Heart Disease Prediction project uses machine learning to predict the risk of heart disease from patient health data. Data is processed using Scikit-learn pipelines to ensure consistency and accuracy. A Random Forest Classifier is trained to provide reliable predictions. The system helps in early detection and supports clinical decision-making.

EDUCATION

2023 – 2027 B-TECH [ARTIFICIAL INTELLIGENCE AND DATA SCIENCE]

ANNA UNIVERSITY REGIONAL CAMPUS , COIMBATORE

CGPA = 7.9 CGPA(UP TO 4TH SEMESTER)

INTERNSHIP

DATA SCIENCE DOMAIN – SANGAM SOFT SOLUTIONS

Built an end-to-end Road Accident Severity Prediction application by applying real-world data science workflows, from data preprocessing to model deployment. Demonstrated strong analytical thinking, practical problem-solving skills, and the ability to transform data into impactful solutions.

TECH STACKS: Python, Scikit-learn, Streamlit, Machine Learning

SKILLS : PYTHON , C ,MACHINE LEARNING , DEEP LEARNING , SQL , VISUALIZATION

TOOLS : FIGMA , , GITHUB , GOOGLE COLAB , VISUAL STUDIO CODE , EXCEL

SOFT SKILLS : PRESENTATION , LEADERSHIP , COMMUNICATION , PROBLEM SOLVING

CERTIFICATIONS

- NOVI TECH -UI/UX DESIGN
- SIMPLILEARN - EXCEL BEGINNER
- IBM - GENERATIVE AI

LANGUAGE

- ENGLISH
- TAMIL

HOBBIES

- DESIGNING
- DRAWING
- VISUALIZATION