

MALAI RAJ R

 malai-raj-r |  malai-raj-r |  malairaj020@gmail.com |  6374305567 |  Portfolio

SUMMARY

Data-driven learner with strong skills in Python, data analysis, and applied AI. Passionate about exploring data to uncover patterns, generate insights, and support informed decision-making. Experienced in building analytical and predictive projects, and eager to apply data analytics techniques to solve real-world business problems.

EDUCATION

Coimbatore Institute Of Technology

M.Sc. Data Science

Coimbatore, Tamil Nadu

2023–Present

CGPA: 7.04

Green Valley Matriculation Higher Secondary School

Higher Secondary Education

Hosur, Tamil Nadu

2022–2023

Percentage: 87.66%

PROJECTS

Spotify Data Analytics Dashboard

Tools used: MySQL, SQL, Python, Power BI, Pandas.

- Built an end-to-end data pipeline to load Spotify data from CSV into MySQL using Python scripts.
- Performed SQL analysis on tracks, artists, genres, and audio features to uncover popularity trends.
- Designed Power BI dashboards to visualize genre distribution, artist productivity, and audio features.

Smart Mask Recommendation System

Tools used: Python, Flask, HTML, CSS, JavaScript.

- Built a rule-based scoring engine using health and environmental indicators effectively.
- Developed Flask to process user inputs and return mask suggestions instantly, reliably.
- Created a responsive UI using HTML, CSS, and JavaScript for smooth interaction throughout.

SympAI — AI-Powered Symptom Checker

Tools used: React, Node.js, Firebase Auth, Firestore, PapaParse.

- Developed an NLP-based symptom checker using React, Node.js to get reliable accuracy.
- Implemented text/voice symptom extraction with secure Firebase authentication for 100+ evaluations.
- Integrated BERT outputs with a scoring pipeline to deliver reliable ranked condition predictions.

SKILLS

Languages	Python
Web Development Frameworks	React, Node.js, Streamlit
Web Development	HTML, CSS, JavaScript
Databases / Tools	MySQL, Firebase
Machine Learning	Scikit-learn, Pandas, NumPy
Soft Skills	Leadership, Team Work, Critical Thinking

AREA OF INTEREST

Web Development, Machine Learning, Data Analysis

CERTIFICATES

- Logic Loop — Participation | Talos | CIT Chennai
- Triathlon — Axios, PSG Tech Coimbatore
- Linux Workshop — FOSS Club, CIT Coimbatore