

MALAI RAJ R

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SUMMARY

Motivated software developer skilled in Python, AI, and data analysis, with hands-on experience building full-stack applications and intelligent ML solutions. Strong team collaborator focused on delivering practical, reliable, and impactful software.

EDUCATION

Coimbatore Institute of Technology

M.Sc. Data Science

CGPA: 7.092

Coimbatore, Tamil Nadu

2023–Present

Green Valley Matriculation Higher Secondary School

Higher Secondary Education

Percentage: 87.66%

Hosur, Tamil Nadu

2021–2023

PROJECTS

SympAI — AI-Powered Symptom Checker

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

- Developed an NLP-based symptom checker using React, Node.js, and BERT with 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.

Eunoia — Personal Mental Wellness Web App

Tools used: Django, Python, NLTK VADER, Scikit-learn, Plotly, Django ORM.

- Built a Django platform for journaling, sentiment analysis, and mood prediction on 500+ entries.
- Implemented Plotly mood timelines and optimized storage with Django ORM + optional Firestore sync.
- Created a processing pipeline for sentiment scoring, mood trend prediction, and real-time analytics.

Moodify — Application

Tools used: React, Node.js, Firebase Auth, Spotify API.

- Built a music app using React + Node.js/Express for mood-based playlists efficiently, reliably.
- Integrated Firebase Auth with token checks and backend Spotify services securely, consistently.
- Created responsive UI components and optimized caching to reduce latency smoothly, responsively.

SKILLS

TECHNICAL SKILLS

Programming Languages: Python, JavaScript

Web Development: React, Django, HTML, CSS

Cloud & Databases: Firebase (Auth, Firestore), MySQL

SOFT SKILLS: Analytical & Critical Thinking, Team Collaboration, Effective Communication, Quick Learning & Adaptability

AREAS OF INTEREST

Machine Learning, NLP, Web Development, Data Analysis, AI-powered Applications

CERTIFICATES

- Logic Loop — Participation | Talos | CIT Chennai
- Triathlon — Axios | PSG Tech, Coimbatore
- Linux Workshop — FOSS Club | CIT Coimbatore
- Data Analytics Job Simulation — Deloitte
- GenAI Powered Data Analytics — Forage
- Data Science Job Simulation — British Airways