

MALAI RAJ R

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 MALAIRAJ23  Portfolio

PROFILE

Data Science student with hands-on experience building full-stack applications and machine learning models. Skilled in Python, SQL, and modern web technologies, with strong ability to translate data into actionable insights. Completed multiple end-to-end projects involving real-time systems, predictive analytics, and cloud-based deployment.

EDUCATION

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|---|------------------------------|
| Coimbatore Institute Of Technology Msc Data Science(5-Year Integrated) CGPA: 7.04% (as of Sem 4) | 2023 – Present COIMBATORE |
| Green Valley Matriculation Higher Secondary School Percentage-87.6% | 2021 – 2023 HOSUR |

PROJECTS

SympAI — AI-Powered Symptom Checker

- Engineered an AI-assisted symptom checker using React, Node.js, and HuggingFace/BERT, processing user inputs in under 1.5 seconds with high prediction consistency.
- Enabled text/voice symptom extraction and secured access with Firebase Authentication, improving user interaction efficiency for 100+ test cases during evaluation.

Eunoia — Personal Mental Wellness Web App

- Developed a full-stack Django platform for journaling, sentiment analysis (NLTK VADER), and mood prediction using Ridge Regression on 500+ generated mood entries.
- Integrated Plotly analytics for interactive mood timelines and implemented persistent data storage via Django ORM with optional Firestore sync to reduce data retrieval time by 30–40%.

Car Pooling - Application

- Built a city-scale ride-sharing system with Google Maps routing, dynamic pickup-point generation, and real-time trip updates for 20+ simulated routes.
- Integrated Firebase live chat, UPI payments, notifications, and Recharts-based analytics, increasing system responsiveness and communication reliability across multiple user roles (driver/passenger).

SKILLS

TECHNICAL SKILLS

Programming: Python

Machine Learning: Regression Models, Classification Models, Data Preprocessing

Data Tools: SQL, Power BI, Pandas, NumPy

Web Development: React, HTML, CSS

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

Other: REST APIs, Git, Streamlit

SOFT SKILLS

- Analytical & Critical Thinking
- Team Collaboration
- Effective Communication
- Quick Learning & Adaptability

CERTIFICATES & CREDENTIALS

LOGIC LOOP
Talos, CIT Chennai

Linux Workshop
FOSS Club, CIT

TRIATHLON
Axios, PSG Tech Coimbatore