

MALAI RAJ R

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SUMMARY

AI-focused MSc Data Science student with hands-on experience in building machine learning and NLP-based systems using Python and Scikit-learn. Experienced in developing end-to-end data pipelines, training predictive models, and deploying AI-powered solutions. Passionate about solving real-world problems using data-driven decision-making and intelligent systems.

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

2022–2023

PROJECTS

Spotify Data Analytics Dashboard [🔗](#)

Tools used: Python(Pandas), MySQL, Power BI.

- 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.

Shoppers Verdict — ML-Powered Web Platform [🔗](#)

Tools used: Python, Flask, scikit-learn, NLTK VADER, SQLite, JavaScript.

- Built an NLP/ML-based platform to score e-commerce product reviews accurately.
- Applied sentiment and aspect-based analysis for intelligent product recommendations.
- Developed REST APIs and a Chrome extension for real-time product analysis.

SympAI — AI-Powered Symptom Analytics System [🔗](#)

Tools used: Python, NLP, Cohere AI, Hugging Face, Firebase, React.

- Integrated Cohere AI for intelligent symptom extraction from natural language input
- Built a rule-based symptom-to-condition matching system using medical datasets.
- Implemented confidence scoring and ranking algorithm to provide medical condition recommendations.
- Deployed transformer models (DialoGPT, Mental Health Chatbot) for conversational health support.

SKILLS

Programming	Python
Machine Learning	Scikit-learn, Pandas, NumPy
Data	SQL (MySQL), Data Cleaning, EDA, Basic NLP
Web	HTML, CSS, JavaScript, React (Basics)
Tools	Power BI, Streamlit, Git, Firebase
Soft Skills	Leadership, Teamwork, Critical Thinking

AREA OF INTEREST

Data Analysis, Business Intelligence, Machine Learning, Web Development

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