






MALAI RAJ R

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SUMMARY

Full-Stack Web Developer with hands-on experience in building scalable web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js). Skilled in rapidly transforming ideas into functional applications by leveraging modern development tools and problem-solving approaches. Passionate about building real-world projects and continuously learning new technologies.

EDUCATION

Coimbatore Institute of Technology

Coimbatore, Tamil Nadu

M.Sc. Data Science

2023–Present

CGPA: 7.092

Green Valley Matriculation Higher Secondary School

Hosur, Tamil Nadu

Higher Secondary Education

2021–2023

Percentage: 87.66%

PROJECTS

SympAI — AI-Powered Symptom Checker 

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

- Developed a full-stack AI-based symptom checker using React and Node.js, integrating REST APIs and real-time user interaction.
- Implemented secure authentication using Firebase Auth with real-time database integration for user data management.
- Used Cohere AI and Hugging Face models to analyze symptoms and support chatbot interactions.

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.

Digital Garden — Personal Knowledge Management Application 

Tools used: Next.js, React, Tailwind CSS, localStorage.

- Built a digital knowledge management app with Markdown-based notes and wiki-style linking.
- Added analytics features including writing heatmaps, version history, and knowledge graph visualization.
- Implemented optimized client-side architecture with fast search, theming, and localStorage persistence.

SKILLS

TECHNICAL SKILLS

Programming Languages: Python, JavaScript

Machine Learning & Data: Scikit-learn, Pandas, NumPy, Basic NLP, EDA

Web & Backend Development: React, Django, HTML, CSS, REST APIs

Databases: MySQL, PostgreSQL (basic), Firebase (Auth, Firestore)

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

AREAS OF INTEREST

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

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