



AI/ML Software Developer

Richard Joseph

✉️ richardmanueljoseph@gmail.com

👤 @richard-m-joseph

📞 +91 8304800973

🗣️ @richard-m-j

Awards and Achievements

UST D3CODE - Honorary Mention NATIONAL LEVEL HACKATHON 2023

Top 5 Finalist. Reached finals after multiple rounds which included coding challenges and Generative AI project development

CYIENTIFIQ Innovation League GLOBAL HACKATHON 2023

CYIENTIFIQ Value Innovation Prize in the Theme: Building Intelligent Products and Platforms in International Level Hackathon.

Pradhan Mantri Bal Shakti Puraskar National Child Award 2020

Received the Award from the Hon'ble President of India at Durbar Hall. Award was given for Exceptional Achievements in the field of Science and Innovation by a student.

Intel ISEF Grand Award Intel International Science and Engineering Fair 2019

Received 2nd Grand award at Intel ISEF 2019 in Plant Science Category.

Received MIT Lincoln Laboratories Minor Planetary Honor

Skills

EXPERIENCED

- Machine Learning
- Large Language Models
- LLM Fine Tuning, Embedding
- Stable Diffusion
- LoRa Model Training
- DSA
- UI/UX design, Figma
- C, C++, Python
- PSQL

COMFORTABLE

- Java
 - Flask
 - MongoDB
 - JavaScript
 - HTML, CSS
- ACQUAINTED**
- Google Cloud
 - ReactJS
 - Express.js

Education

BTech in Computer Science | 2025

College of Engineering Trivandrum GPA- 9.5

High School (CBSE) | 2020

Kendriya Vidyalaya No.1 Kochi GPA – 95.6

Projects

MONITUS AI

SEPTEMBER 2023 - PRESENT

- A generative AI tool to generate Adverse Drug Reactions of a drug depending on patients' medical history
- This also takes into account the demographic the patient belongs to and gives the likelihood of severe ADRs
- Uses knowledge base embedding and fine tuning on LLMs to create predictions

CASA AI

AUGUST 2023 - PRESENT

- A generative AI tool to generate Architectural Plans based on user requirements. Can give a 3D representation of the plans generated as well as optimize plans given by the user.
- Achieved through LoRa model Training on Stable Diffusion and 3D projection done using OpenCV and three.js.

Roles and Experiences

TinkerHub CET – Project Facilitator

JAN 2023 - PRESENT

Oversee end-to-end event execution and manage the coordination and organization of all club events.

Internship Cell CET - Co Convenor

FEB 2022 - PRESENT

Oversee end-to-end event execution and manage the coordination and organization of all club