RICHARD JOSEPH

Computer Science Student, AI/ML Engineer

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EDUCATION

BTech in Computer Science| Year 2025

College of Engineering Trivandrum GPA- 9.5

High School (CBSE) | Year 2020

Kendriya Vidyalaya No.1 Kochi
GPA – 95.6

SKILLS

EXPERIENCED

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

COMFORTABLE

- Java
- Express.js, Flask
- PSQL, MongoDB
- JavaScript, HTML, CSS

ACQUAINTED

- Google Cloud
- ReactJS

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

CAREER OBJECTIVE

As a student, I'm dedicated to merging Machine Learning Engineering, Software Engineering, UI/UX Design, and competitive programming. I aim to apply advanced machine learning techniques to create user-friendly interfaces and excel in competitive programming, driving innovation and success in technology-driven roles.

Awards and Achievements

UST D3CODE TOP 5 Finalist – Honorary Mention

NATIONAL LEVEL HACKATHON 2023

- 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 Lincon Laboratories Minor Planetary Honor

PROJECTS

CASA AI

AUGUST 2023 - PRESENT

- A generative AI tool to generative 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.

MONITUS AI

SEPTEMBER 2023 - PRESENT

- A generative AI tool to generative 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