

M Mohith

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EDUCATION

Chinmaya Vishwavidyapeeth

Bachelor of Technology in Computer Science; CGPA: 9.85/10.0

Ernakulam, Kerala

Sep 2023 – May 2027

EXPERIENCE

Google Summer of Code 2026 – RUXAILAB

Open Source Contributor

Remote

May 2026 – Present

- Selected as a **GSoC 2026 contributor** at RUXAILAB through a competitive open-source application process.
- Building a **Focus Group Management and Analysis Module** with NLP-assisted thematic analysis and real-time multi-participant data capture via **Firebase RTDB**.
- Designing session orchestration workflows and automated qualitative analysis pipelines using **Vue 3, Firebase, and Python Cloud Functions**.

Koncepts

Product Developer Intern – Full Stack & GenAI

Remote

Jul 2026 – Aug 2026

- Building core product features at an AI-powered EdTech platform serving **200K+ learners** across IB and UPSC verticals, working directly with the CTO on full-stack and GenAI workstreams.
- Implemented a **global MYP/DP programme toggle** on the teacher web app via a **ProgrammeProvider** context, enabling the Content Library and tooling suite to switch programme scope without page reloads.

PROJECTS

AntiVibe | Repository Link | Shell, Claude Code, MCP

Apr, 2026

- Built an open-source **Claude Code skill** with **600+ GitHub stars** that auto-triggers via hooks to generate structured, educational deep-dives for AI-written code, addressing the learn-nothing problem in vibe-coding workflows.
- Designed a **phase-aware explanation pipeline** using subagents and shell scripts to analyze code structure, map patterns to underlying CS concepts, and surface curated learning resources across any language or framework.
- Implemented **automatic hook integration** (**SubagentStop / Stop**) to trigger deep-dive generation post-task, outputting structured Markdown guides covering design decisions, alternatives, and suggested learning paths.

SentinelLM | Repository Link | Python, FastAPI, PostgreSQL, LLM APIs

Jan, 2026

- Built an open-source **LLM proxy middleware** supporting OpenAI, Anthropic, Gemini, and Ollama APIs, routing every request through a **7-stage safety evaluation pipeline** before returning responses to users.
- Engineered concurrent evaluators for **prompt injection detection, PII redaction, hallucination and faithfulness scoring, and toxicity filtering**, leveraging Redis caching and a **fail-open architecture** to minimize latency overhead.
- Implemented end-to-end observability with **PostgreSQL-backed audit logging**, WebSocket-based real-time streaming, and a Next.js dashboard for monitoring risk scores, flagged outputs, and a structured human review workflow.

StudyQuest | Repository Link | Next.js, TypeScript, FastAPI, Supabase, TailwindCSS, LangChain

Nov, 2025

- Built a full-stack **AI-powered adaptive learning platform** with terminal-style UI, real-time analytics dashboard, and gamified XP leaderboard system.
- Integrated **LangChain** and **OpenRouter APIs** in a FastAPI-Supabase backend to dynamically generate personalized quizzes and study notes.
- Enhanced performance and security by optimizing Supabase queries (**35% latency reduction**), implementing **JWT + Row-Level Security**, and designing scalable database schemas.

LEADERSHIP & ACTIVITIES

IEEE University Student Branch

Oceanic Student Chapter Chair

Ernakulam, Kerala

May 2024 – Feb 2026

- Revived and expanded the IEEE Oceanic Chapter, increasing active participation by **60%**.
- Hosted **10+** technical events on ML, AI, and sustainable computing technologies.
- Established **3+ academic-industry collaborations** for workshops and mentorship programs.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, HTML5, CSS

AI / LLM Tools: LLM APIs (OpenAI, Anthropic, Gemini), LLM Evaluation, AI Safety Pipelines

Frameworks & Libraries: React.js, Next.js, FastAPI, Tailwind CSS, LangChain

Databases: PostgreSQL, Supabase, MySQL, Firebase

Tools & Platforms: Git, Docker, GitHub