

V MITHUN MALLYA

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CAREER OBJECTIVE

Information Science and Engineering student who builds things people actually depend on — a campus platform used by 4,000+ students, features in a learning management system serving 1,000+, and production backend services on AWS. Most drawn to the part before the code: working out what the real problem is, then staying with it until it is live.

EDUCATION

N.M.A.M. Institute of Technology, Nitte 2023 – 2027
B.Tech in Information Science & Engineering • CGPA: 9.31
Amrutha Bharathi PU College 2021 – 2023
Class XII (PUC): 89% • Class X (CBSE): 82%

INTERSHIP EXPERIENCE

Inspirante Technologies Pvt. Ltd. | Software Engineer Intern (Hybrid) Jun 2026 – Jul 2026

- Shipped features for the CCSD Digital Skill Passport, a learning management system serving 1,000+ students for tracking certifications, internships, electives, and academic achievements.
- Implemented role-based access control spanning 9 distinct user roles, and built analytics dashboards that automated CIE and accreditation reporting previously compiled by hand.

Equidor Medtech LLP | Software Engineering Intern (Hybrid) Jun 2025 – Jan 2026

- Built a serverless release-notification pipeline on AWS Lambda, DynamoDB, and S3, centralising version tracking and update delivery across the product's device fleet.
- Engineered a speaker-verified voice-command system with Resemblyzer and Vosk, enabling fully offline speech recognition with real-time API integration.

PROJECTS

Psychology Agent - Multi-Agent Mental Health Triage System ([repo](#))

- Built a LangGraph orchestration where six specialist agents — safety, signals, guardrail, triage, composer, critic — run *different* models and deliberate on every message, so no single LLM decides a reply alone.
- Layered a deterministic safety floor under triage: acute-risk messages escalate to a human with no LLM in the loop, and the model's verdict is clamped so it can only raise the level of care, never lower it.
- Built role-based access across member, clinician, and admin, with consent-gated sharing, audit-logged reads, and a WebSocket escalation queue where a clinician can claim and take over a live session.

Tech: Python, FastAPI, LangGraph, LangChain, Groq, Pinecone, MongoDB, Next.js, TypeScript, Docker

Samvaada - Campus Event Platform, NMAMIT ([live link](#))

- Built and operate the official platform of NMAMIT's Social Media Club, now serving **4,000+ students** across **30+ events**, with an event archive that grows after every event.
- Implemented Firebase Authentication with role-based access, real-time Firestore sync, and an event photo gallery backing the archive; deployed to production on a custom domain.

Tech: React, Firebase (Auth, Firestore), Tailwind CSS, shadcn/ui

TECHNICAL SKILLS

Languages: Python, C, JavaScript, TypeScript, SQL

Frameworks & Libraries: React, Next.js, Node.js, FastAPI, LangGraph, LangChain, Tailwind CSS, shadcn/ui

Databases: PostgreSQL, MySQL, MongoDB, Firebase Firestore, Pinecone

AI/ML: LLMs, Multi-Agent Orchestration, RAG, LLM Safety & Guardrails, Evaluation & Red-Teaming, Vector Databases

Cloud & DevOps: AWS Lambda, DynamoDB, Amazon S3, Docker, Docker Compose, GitHub Actions, Git, Vercel

Tools: VS Code, GitHub, Figma

ACHIEVEMENTS

Finalist - Top 50 of 1,000+ teams, Snapdragon Multiverse Hackathon, Noida Jul 2026

- Built the software that turned raw sensor data into a decision for HemaGrid, a blood transport monitor - telling a real impact apart from a normal bumpy road, and giving each unit a green, amber, or red verdict on arrival. Runs fully offline.

Top 10 of 500+ teams, Flinders AI Hackathon, Mangalore Mar 2026

- Built a RAG chatbot that indexes each PDF on upload and answers strictly from what is in that document.

LEADERSHIP

Technical & Content Head, Samvaada - Leading technical and content initiatives for NMAMIT's official social media club.