

MITHIL GIRISH

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PROFESSIONAL SUMMARY

High-impact B.Tech Computer Science (Data Science) undergraduate and Full Stack Developer specializing in Next.js, FastAPI, and React Native. **2x National Hackathon Winner** (Annam.AI & DeFy'26) recognized for building scalable AI-powered and Blockchain-enabled products. Strong interest in engineering high-performance systems across FinTech, Healthcare, and AgriTech.

Key Highlights: 2x National Hackathon Winner — National Pitch-a-thon Finalist (5th Place + Special Mention) — Built platforms serving 3200+ participants

EDUCATION

Vellore Institute of Technology (VIT), Chennai 2023 – 2027
B.Tech Computer Science and Engineering (Data Science)
Vidya Mandir Senior Secondary School, Chennai 2009 – 2023
AISSE Class X, AISSCE Class XII

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, Solidity, SQL, C
Frontend: React.js, Next.js, React Native, Tailwind CSS, Redux, shadcn/ui
Backend: FastAPI, Node.js, Express.js, Django, REST APIs, OAuth 2.0
Databases: PostgreSQL, MongoDB, MySQL, Supabase, Firebase
Cloud & DevOps: Docker, AWS (EC2, S3), Git/GitHub Actions, Vercel
AI / IoT: OpenAI API, Generative AI (LLMs), OpenCV, ESP32, Arduino

PROFESSIONAL EXPERIENCE

Project Intern – ANNAM.AI (National Winner) May 2025 – Jul 2025
Remote

- **National Winner:** Secured **1st Place among 500+ teams** in the National Innovation Challenge.
- Built and shipped a **production-ready React Native app** with FastAPI backend and ESP32 integration for real-time monitoring.
- Engineered real-time device synchronisation and designed fault-tolerant ingestion for continuous sensor streams.

Summer Research Intern – IGCAR Jun 2025 – Jul 2025
Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam

- Developed a Next.js dashboard for real-time radioactive dosage visualisation, improving monitoring efficiency.
- Implemented and evaluated **KNN-based classification** for environmental safety zones.

SDE Intern – FinaHQ May 2024 – Jul 2024
Chennai

- Developed full-stack modules for a FinTech platform using React.js, Node.js, Express.js, and PostgreSQL.
- Integrated OAuth 2.0 authentication, improving reliability and secure access flows.

FEATURED PROJECTS

ParaCipher – Blockchain Micro-Insurance [DeFy'26 Winner] Jan 2026
Solidity, Ethereum, Hardhat, React, Web3

- Won **2 bounties** at DeFy'26 by building a decentralized micro-insurance protocol focused on **financial inclusion for gig workers**.
- Designed smart contract flows for **policy creation, premium pooling, claim verification, and automated payouts** using Ethereum testnet deployments.

Crop-Core Tech – AI Crop Yield Prediction [Pitch-a-thon Finalist] 2025
Django, Machine Learning, PostgreSQL, REST APIs

- Achieved **5th Place + Special Mention** at the **National Pitch-a-thon Hackathon** by presenting an AI-based crop yield prediction system.
- Built an end-to-end pipeline using ML inference + backend APIs to recommend crops based on rainfall, season, state, and soil patterns.

- CareerTrack – AI Career Guidance [Live]** 2025
Next.js, FastAPI, OpenAI API, PostgreSQL, Vercel
- Built a deployed AI-driven platform using **OpenAI API** to generate personalized learning paths and career roadmaps from resume-based analysis.
- Reminisce – Alzheimer’s Care Ecosystem [Healthcare AI]** 2025
Next.js, React, OpenCV, AI/ML, Healthcare
- Built a healthcare-focused ecosystem for Alzheimer’s support with **face recognition, emotion detection, and behavioral pattern analysis**.
 - Designed caregiver dashboards for patient monitoring, safety alerts, and improved daily assistance workflows.
- VOID Hackathon Event Platform [Live]** 2025
Next.js, Supabase, Clerk Auth, PWA
- Built a PWA for hackathon operations supporting **3200+ participants** with real-time check-ins, session tracking, and live updates.

LEADERSHIP & COMMUNITY

- Development Lead – Microsoft Innovations Club (MIC)** Apr 2025 – Present
VIT Chennai
- Leading a team of developers to build and maintain the official recruitment portal and event platforms.
- Vice President – Open Source Programming Club (OSPC)** Apr 2025 – Nov 2025
VIT Chennai
- Co-organized **VOID Hackathon**, managing logistics for **3200+ participants** across India.
 - Led a 50+ member organizing team for **Spectrum25 (2000+ attendees)**, scaling club engagement through high-impact events.

ACHIEVEMENTS

- **National Winner:** 1st Place – Annam.AI National Innovation Challenge
- **Hackathon Winner:** DeFy’26 Winner (2 bounties for Blockchain innovation)
- **Finalist:** National Pitch-a-thon Hackathon (5th Place with Special Mention)