

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
<i>Next.js, FastAPI, OpenAI API, PostgreSQL, Vercel</i>	
• 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
<i>Next.js, React, OpenCV, AI/ML, Healthcare</i>	
• 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
<i>Next.js, Supabase, Clerk Auth, PWA</i>	
• 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
<i>VIT Chennai</i>	
• 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
<i>VIT Chennai</i>	
• 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)