

# Tharun N V

+91 6382884481 | Portfolio | LeetCode | LinkedIn | GitHub

## EDUCATION

---

### Amrita Vishwa Vidyapeetham

Coimbatore, India

B.Tech in Computer and Communication Engineering — CGPA: 8.7

2024 – Present

- Relevant Coursework: Data Structures & Algorithms, DBMS, Operating Systems, Computer Networks

## EXPERIENCE

---

### AfterQuery

May 2026 – Present

AI Benchmark Expert — Full-Stack & Systems Task Author

Remote

- Author production-grade SWE-bench coding tasks and terminal agent benchmarks to evaluate frontier models (Claude Opus)
- Design end-to-end task pipelines with Docker environments, test harnesses, and automated CI/CD verification contracts
- Engineer machine-verifiable suites (pytest, Jest, cargo) to trace cross-cutting bugs in TS, Python, and Node.js systems

### Intel IoT Club, Amrita Vishwa Vidyapeetham

Feb 2025 – Present

AIoT Engineer & Project Lead

Coimbatore

- Led hardware and software teams for a Smart Bicycle Rental System using Agile and Scrum methodologies
- Planned sprint cycles, maintained project documentation in Notion, and coordinated weekly reviews
- Presented the project at Anokha Tech Fair 2026, showcasing an end-to-end AIoT solution

### Open Source Contributor

2025 – Present

Full-Stack & Security Engineering

Remote

- **auth-server**: Engineered Refresh Token Reuse Detection with Token Family tracking and security workflows in Go/Gin
- **ai-agent-automation**: Built a schema-driven dynamic node system and migration layer for agent workflows
- **Algo-Infinity-Verse**: Developed JWT claim decoders and API rate-limiter simulators

## PROJECTS

---

### PolicyGuard AI | Next.js, FastAPI, Gemini, LangGraph, RAG

2025

- Developed an AI-native zero-trust control plane intercepting enterprise prompts in under 50ms
- Implemented GraphRAG policy cognition via NetworkX and autonomous PR synthesis with LangGraph

### Lexinel (Hackfest 2.0 Runner-Up) | Next.js, FastAPI, PostgreSQL, Redis, LangGraph

2026

- Built AI-powered compliance platform handling 10,000+ transaction records concurrently
- Reduced query latency by 60% using Redis caching and hybrid AI-rule reasoning

### CloudCraft AI | AWS Bedrock, FastAPI, DynamoDB, Docker

2026

- Built AWS Bedrock multi-agent platform for AI workflow orchestration and market analysis
- Designed Dockerized event-driven pipelines using EventBridge and DynamoDB

## TECHNICAL SKILLS

---

**Languages:** JavaScript, TypeScript, Python, SQL, HTML, CSS

**Frontend:** React.js, Next.js, Tailwind CSS, React Router

**Backend & AI:** Node.js, Express.js, FastAPI, REST APIs, GraphQL, LangGraph, RAG, LLMs, Vector DBs

**Databases:** PostgreSQL, MongoDB, Redis, DynamoDB

**Cloud & DevOps:** AWS (Bedrock, S3, SQS, EventBridge), Docker, Git, Linux, Vercel

## ACHIEVEMENTS

---

**Hackfest 2.0 Runner-Up** — GDG Cloud New Delhi, National-Level (2026)

**HackerRank Orchestrate** — Global Rank 533 for production AI Agent solution (2026)

**Certifications:** Generative AI & LLMs (Google Cloud) | Node.js, Express, Docker & Kubernetes (IBM)