

Kankatala Ganesh Giridhar

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[GitHub](#) - [Portfolio](#) - [LinkedIn](#)

Professional Summary

Computer Science undergraduate focused on Applied AI and full-stack development. Experienced in building AI-powered applications, backend systems, and mobile solutions through hackathons and academic projects. Strong interest in developing impactful technology solutions using human-centered design and real-world problem-solving approaches.

Education

Amrita Vishwa Vidyapeetham, Coimbatore <i>B.Tech in Computer Science and Engineering - CGPA: 8.35 / 10</i>	2024 - 2028
Tirumala IIT & JEE Academy, Visakhapatnam <i>Intermediate (Class XII) - 96.5%</i>	2024
Tirumala EM High School, Visakhapatnam <i>Secondary Education (Class X) - 96.17%</i>	2022

Technical Skills

Languages: Python, Java, JavaScript, SQL

Web & Backend: Node.js, Express, REST APIs

Databases: PostgreSQL, SQLite

Tools & Frameworks: Flutter, Git

Core Concepts: Data Structures, OOP, DBMS, Operating Systems, System Design & Analysis

AI & Tools: Generative AI, Prompt Engineering, Gemini API, Applied AI

Projects

RiceAgent - Offline-First Smart Application

- Built Flutter-based offline-first application using SQLite
- Designed synchronization logic for offline/online states
- Focused on usability in low-connectivity environments

FlipWars - Algorithmic Strategy Game (Java)

- Implemented memoization and transposition tables
- Reduced redundant computations and improved performance

Legal Court AI Verdict System (Gemini-based)

- Built AI prototype using Gemini for legal input analysis
- Designed prompt-driven decision workflow

Experience

Live-in-Labs Program Member 2025 - Present

- Developed solutions using co-design, HCD, and PRA methods
- Worked with communities to build real-world impact systems

Research (Ongoing)

Community-Led Water Purification System 2025 - Present

- Designing sustainable purification system using field research
- Applying co-design principles for community-driven solutions

Hackathons & Certifications

- Synaptix Frontier AI Hack - IIT Madras (Shaastra 2026)
- Gemini 3 Hackathon - AI-based solution
- AI Product Management - Product Space (Follower)
- IBM SkillsBuild - AI Certification
- GSoC - Open Source Beginner