Murala Jayanth Gowd

Full-Stack Software Engineer | AI Engineer

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Summary

Full-stack software engineer and 2026 B.Tech ECE graduate who builds web, mobile and AI features end to end with React, Node.js, Python and PostgreSQL. Over the past year, delivered a US wholesale ordering platform with around 90 REST endpoints and an inventory and tax billing system for a food supplier. During a paid AI internship, built a plain-English-to-SQL tool over 200+ tables and a voice agent that answers in under 3 seconds.

Skills

Languages: Python, JavaScript, TypeScript, Java, SQL, C++

Frontend: React, Next.js, React Native, HTML, CSS, Tailwind CSS

Backend: Node.js, Express.js, NestJS, FastAPI, REST APIs, WebSockets, JWT authentication

AI: LLMs, Generative AI, RAG, LangGraph, OpenAI API, Anthropic API, Prompt engineering, MCP

Databases: PostgreSQL, MongoDB, Redis, Prisma

Cloud and DevOps: AWS EC2, S3 and RDS, Docker, CI/CD, GitHub Actions, Git, Linux, Vercel

Testing and Fundamentals: Jest, Playwright, Postman, Selenium, Data Structures and Algorithms, OOP, Agile

Education

Vishnu Institute of Technology, Bhimavaram 2022 - 2026

B.Tech in Electronics & Communication Engineering | CGPA: 8.1/10

Work Experience

Freelance Full-Stack Developer, *Independent* *Oct 2025 - Present*

Remote

- Deliver a wholesale ordering platform for a US client: a React Native app, a Next.js admin panel and a backend with around 90 REST endpoints.
- Prevent duplicate orders with idempotent checkout and validate stock and prices on the server for all 3 surfaces: admin, storefront and mobile app.
- Build inventory and GST billing software for a seafood supplier on a 27-table PostgreSQL schema with 36 screens, covering batches, expiry and landed cost.

AI Product Intern, *Intants* | **Certificate** *Mar 2026 - Sep 2026*

Remote, paid internship

- Designed a plain-English-to-SQL chat tool over 200+ PostgreSQL tables that runs read-only and blocks unsafe queries before execution.
- Engineered a real-time voice interview agent from 4 services that answers candidates in under 3 seconds and produces a PDF scorecard.

Product Assurance Intern, *Bharat Electronics Limited* | **Certificate** *Jun 2024 - Jul 2024*

- Performed functional testing on defense hardware and software and documented 10+ defects, re-testing each fix before the final review.

Projects

Andhra Startup Map | Live

- Launched a startup directory and early-career jobs board that reached 605 visitors and 1,424 page views in one 30-day Vercel Analytics period.

PaperPilot | Live | GitHub

- Built an answer-sheet grader that scores handwritten answers in 3 to 5 seconds using Tesseract OCR, MongoDB syllabus context and Llama 3.3.
- Saved every teacher correction as an example for later sessions, so later grading moves closer to each teacher's own marking.

VishnuDentaCare | Live | GitHub

- Developed a multi-clinic dental ERP solo on a 22-table PostgreSQL schema with around 180 REST endpoints in Next.js and Express.
- Kept each clinic's records separate across 5 user roles, with JWT login, token refresh and Excel report exports.

Achievements

- 1st Runner-Up, WAVE-VIT Hackathon 2024 Certificate
- Top 5 Finalist, TechSprout-2K25 Coding & Development Event Certificate
- Solved 112 Data Structures and Algorithms problems on LeetCode Profile