

Gowtham R

Software Engineer | Fullstack MERN | Next.js | GenAI & Creative Developer

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PROFESSIONAL SUMMARY

Creative Developer and Fullstack Engineer with a passion for blending artistic design with technical precision. With over a year of experience, I build dynamic, responsive user interfaces using modern frameworks like Next.js and React, and bring them to life with high-performance animations using GSAP. On the backend, I specialize in scalable Node.js microservices and intelligent systems using Python, LangChain, and RAG architecture. My goal is to create applications that are not just functional, but also intuitive and memorable.

SKILLS

- **AI/ML:** LangChain, LangGraph, Generative AI, LLMs (OpenAI, HuggingFace), RAG Architecture, Agentic Workflows
- **Frontend:** React.js, Next.js, Redux, JavaScript, TypeScript, HTML5, CSS3, Tailwind CSS, GSAP, Material-UI (MUI)
- **Backend:** Node.js, REST APIs, FastAPI, Flask, Express.js, Meta Graph API, Payment Gateways (Razorpay).
- **Databases:** MongoDB, ChromaDB, PostgreSQL
- **Tools & Frameworks:** Git, GitHub, Postman, AWS S3 (File Storage), Vercel, Microservices, Agile Methodologies.

EXPERIENCE

Full Stack Developer, Neuronest AI Private Limited

Oct 2025 - Dec 2025

- Spearheading the development of scalable AI-driven web applications using Next.js and Node.js, integrating advanced Generative AI models for real-time user interactions.
- Designing and implementing Agentic AI workflows to automate complex business logic, reducing manual query resolution time by 40%.
- Optimizing database performance with PostgreSQL/MongoDB and building responsive, high-performance UIs with Tailwind CSS and GSAP animations.

Software Engineer, SNS Square

Nov 2023 - July 2025

- Developed full-stack solutions across multiple enterprise-level SaaS products
- Engineered and maintained RESTful APIs with Node.js, ensuring secure and efficient data handling with MongoDB for all company products.
- Developed responsive and dynamic user interfaces using React.js, Redux, and TypeScript, creating reusable component libraries that improved development speed by 20%.

EDUCATION

Master of Engineering (CSE) (Part-Time) | 2023-2025

SNS College of Technology | CGPA: 8/10

Bachelor of Technology (IT) | 2019-2023

SNS College of Technology | CGPA: 8.2/10

PROJECTS

Diginest AI – SaaS Customer Support Automation

Technologies: Next.js, Node.js, Meta Cloud API, Vector DB, OpenAI, Razorpay

- **Multi-Modal AI Engine:** Architected a SaaS platform enabling businesses to deploy **Voice, Virtual Avatar, and Text Bots** trained on their own product data (RAG) for automated sales and appointment booking.
- **WhatsApp & Marketing Automation:** Engineered a module for **Custom Template Creation** and **Broadcasting**, allowing clients to design interactive message flows and manage marketing campaigns via Meta Graph API.
- **Smart CRM & Ticketing:** Built a centralized **Staff Management Dashboard** where unresolved queries automatically convert into tickets, facilitating seamless human-agent handovers and issue tracking.

Jurist Bot – AI Legal Assistant & Drafting Tool

Technologies: React.js, Node.js, RAG, Text-to-Speech, Authentication, OpenAI

- **Legal Reasoning Engine:** Developed an AI "**Scenario Solver**" that analyzes complex client situations against Indian Laws (IPC/CrPC) to generate defense strategies and case citations.
- **Smart Document Drafting:** Engineered a generative workflow allowing advocates to auto-create court-ready documents (Petitions, Affidavits, Contracts) instantly from case facts.
- **Proprietary Data Pipeline ("The Nest"):** Built a secure **RAG ingestion pipeline** to index vast legal repositories, ensuring the AI provides accurate, evidence-backed legal guidance.

AI-Driven Placement Insight Generator

Technologies: LangGraph, LangChain, Google Gemini, Flask, Next.js, RAG, FAISS

- Designed and built an autonomous 6-agent system using **LangGraph** to analyze college placement data and generate actionable insights for administrators.
- Implemented a **RAG (Retrieval-Augmented Generation)** agent with a **FAISS** vector store to compare current placement trends against historical data, providing deep contextual analysis.
- Developed the full-stack web platform using **React.js** and **Flask**, allowing administrators to upload data and view the final reports and insights on a dashboard

Healthcare Platform | B2B & B2C

Technologies: Next.js, MongoDB, Microservices Architecture, RabbitMQ, Socket.IO, FastAPI, Node.js

- Orchestrated the development of a microservices-based healthcare platform connecting medical professionals to jobs and communities.
- Implemented key features including personalized job recommendations, digital portfolios, and an applicant tracking system to streamline the hiring and professional growth process.

CERTIFICATIONS

Python FullStack Training Course | Qtree Technology (August 2023 - December 2023)

- This training covered a comprehensive curriculum including HTML, CSS, JavaScript, Python, MongoDB.