# 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, Docker, 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, enhancing system efficiency and reducing manual intervention.
- 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.