

# Gowtham R

## Full Stack Engineer | MERN Stack | Generative AI | Next.js | Node.js | RAG

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### PROFESSIONAL SUMMARY

2+ years of experience building scalable SaaS platforms serving 300+ active users. Specialized in Generative AI workflows, RAG-based automation, and full stack web development using React.js, Next.js, Node.js, and Python. Delivered 40% efficiency gains and 35% engagement improvements through intelligent AI integration.

### SKILLS

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

### EXPERIENCE

#### Full Stack Developer, Neuronest AI Private Limited | Coimbatore, India

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 | Coimbatore, India

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%.

### PROJECTS

#### Diginest AI – SaaS Customer Support Automation

**Technologies:** Next.js, TypeScript, Node.js, FastAPI, OpenAI, RAG, PostgreSQL/MongoDB, Razorpay

- Architected a multi-modal AI SaaS platform supporting **300+ monthly active users**, automating sales and appointment workflows using RAG-based AI models.
- Implemented WhatsApp marketing automation handling **1,000+ outbound messages per campaign**, improving client engagement rates by **35%**.
- Built Smart CRM & ticketing dashboard reducing manual query handling time by **40%** and improving issue resolution tracking efficiency.

#### Jurist Bot – AI Legal Assistant & Drafting Tool

**Technologies:** React.js, TypeScript, Node.js, FastAPI, OpenAI, RAG, Vector Database, JWT Authentication

- Developed AI-powered legal reasoning system processing **200+ legal scenario queries**, generating structured defense strategies with contextual law citations.
- Built automated document drafting engine reducing manual drafting time by **60%** for petitions, affidavits, and contracts.

- Designed secure RAG ingestion pipeline indexing **10,000+ legal documents**, improving retrieval accuracy and response relevance.

### AI-Driven Placement Insight Generator

**Technologies:** LangGraph, LangChain, Python, FastAPI, FAISS, RAG, Next.js, TypeScript

- Designed a 6-agent LangGraph system analyzing **5+ years of placement datasets**, generating actionable insights for academic administrators.
- Implemented FAISS-based vector search reducing data retrieval latency by **30%** compared to traditional filtering.
- Built full-stack dashboard allowing administrators to upload and process datasets with real-time analytics visualization.

### Healthcare Platform | B2B & B2C

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

- Developed microservices-based healthcare recruitment platform supporting **1,000+ registered professionals**.
- Implemented real-time notifications using Socket.IO, improving job application response time by **25%**.
- Designed applicant tracking workflows streamlining recruitment pipeline and reducing manual screening effort by **30%**.

## EDUCATION

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### 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

## CERTIFICATIONS

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

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