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
- **Databases:** MongoDB, ChromaDB, PostgreSQL
- **Tools & Frameworks:** Git, GitHub, Docker, Vercel, Microservices, Agile Methodologies.

EXPERIENCE

Software Engineer, SNS Square   *May 2024 - 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

AI-Driven Placement Insight Generator

Technologies: LangGraph, LangChain, Google Gemini, Flask, React.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.

HR Management Tool|B2B

Technologies*:* React.js,Node.js, MongoDB, Redux,Typescript

- Built an end-to-end HR management system for onboarding, payroll, and performance tracking.
- Used React.js with Redux for responsive UI and real-time state handling.
- Developed Comprehensive APIs using Node.js that supported over 100000 requests per day,optimizing performance and scalability while maintaining a 99.99% uptime for customer-facing applications.

Task Management Tool |B2B

  Technologies: React.js, Node.js, MongoDB, Redux, Typescript

- Designed and launched a task management platform to streamline project tracking for over 100+ users across multiple teams.
- Engineered over 50 scalable REST API endpoints using Node.js and MongoDB to manage 12 distinct task workflows and user role permissions.

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.