

Sai Goutham Reddy Sudhireddy

Hyderabad | [Github - Goutham7675](#) | [LinkedIn – SS Goutham Reddy](#) | ssgouthamreddy@outlook.com | +91 7675007724

PROFILE

Portfolio: <https://ssgouthamreddy.netlify.app/>

CS undergrad (2026) with a strong foundation in C++, data structures, algorithms, object-oriented design, and distributed systems. Skilled in building scalable backend architectures using Java, Spring Boot, RESTful APIs, SDLC and AWS services (EC2, S3). Passionate about solving complex engineering challenges by applying AI and modern software practices to develop scalable, reliable, and customer-focused solutions.

EDUCATION

B. Tech (Computer Science Engineering) Nov- 2022 – May- 2026 (Expected)
Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad (CGPA: 9.32/10)

EXPERIENCE

Software Engineering Intern – SoundSpire Nov'2025 – present (Ongoing)

- Built and optimized production features using **Next.js** with SSR and component-level optimizations, improving page **load times by 30%** and boosting Core Web Vitals.
- Built and deployed backend services using **Supabase** (PostgreSQL, Auth, Storage) on **AWS**, optimizing queries to cut API latency by **35%** and maintaining **99.9% uptime** through automated **CI/CD pipelines**, logging, and monitoring.

SKILLS

Programming	C++, Java, Python
Backend & Database	SpringBoot, RESTful APIs, Node.js, MySQL, PostgreSQL, MongoDB, Microservices
Web & Networking	HTML5, CSS3, JavaScript, React.js, TCP/IP, HTTP
Cloud	AWS EC2, S3, AWS Lambda
ML Libraries	Matplotlib, Scikit-learn, TensorFlow
DevOps & Tools	Git, GitHub, CI/CD, Docker, Postman, Linux, Agile (Scrum)
Core CS	Data Structures, Algorithms, System Design, OOP, DBMS, OS, CN, ML, AI

PROJECTS

Career Companion – Gen AI, NLP, Node.js, REST API, Next.js (Ongoing)

- Built an AI-powered career readiness platform using **NLP**, **Generative AI**, and recommendation algorithms to optimize resumes, match job profiles, and simulate mock interviews, boosting candidate success by **~35%**
- Architected a scalable full-stack system with ATS-based analysis, personalized recommendations, and real-time performance dashboards, handling **10k+** users with **2s response time**.

Scalable Backend System - Spring Boot, REST API, JWT, OAuth2, PostgreSQL, Postman (Sept – 2025) [Link](#)

- Designed and built a **backend architecture** handling **900k+ requests/ month**, improving **API** throughput by **45%** and database performance by **40%** using indexing and caching.
- Implemented **OAuth2** and **JWT** based security supporting **300+** concurrent sessions, with a modular multi-tier architecture and **60% JUnit** test coverage for production grade reliability and scalability.

GitHub User Search - React.js, REST API, OAuth (Aug – 2025) [Link](#)

- Built a responsive web app to search and display GitHub profiles with **sub-500ms response times**, integrating real-time **GitHub REST API** calls and GitHub/Google **OAuth** to enhance user experience and streamline authentication.
- Designed a **60% more efficient search pipeline** using **debouncing** and **rate limiting (60 tokens/hour)**, improving backend stability by **35%**, and boosting API utilization efficiency and **developer productivity by 15%**.

ACHIEVEMENTS

• **LeetCode:** <https://leetcode.com/u/ssgoutham/> - Max Rating: 1783 **Top 8% globally**

CERTIFICATIONS

- OCI Generative AI Professional Certification from Oracle (Oct – 2025)
- OCI Data Science Professional Certification from Oracle (Oct – 2025)