Sai Meghanadh Ganta

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EDUCATION

Gokaraju Rangaraju Institute of Engineering and Technology   *2021 - 2025*
B.Tech in Computer Science and Engineering   Hyderabad, Telangana, India
CGPA: 9.27 -Top 5% of Institution

TECHNICAL SKILLS

- Data Structures And Algorithms
- Java
- MySQL
- Spring Boot
- JavaScript
- React JS
- Bootstrap
- Python
- MongoDB
- Postman
- Git
- OOPS Concepts
- DBMS Concepts
- TailWind CSS
- Operating System
- Junit5

EXPERIENCE

Gap Inc, Hyderabad   *August 2024-October 2024*
Software Development Engineer Intern-Backend

- Architected data model and developed RESTful APIs (PATCH, GET) for an internal HR application serving over 1000 employees, improving user access to vital HR resources and reducing response times significantly.
- Wrote APIs using SOLID principles and also wrote unit test cases with JUnit 5 to ensure Sonar code coverage of 98%.
- Devised Flyway scripts for database migrations, ensuring zero-downtime deployments across 20+ tables, streamlining the data update process and minimizing disruptions.
- Integrated SSO authentication using OAuth2, reducing login time by 40% for over 500 daily active users, enhancing user satisfaction and engagement.
- Wrote over 8000 lines of code for Springboot application
- Enhanced query performance by 35% through strategic indexing in the reactive database (r2dbc) framework, resulting in faster data retrieval and improved application responsiveness.
- Established a secure CI/CD pipeline with GitHub environment secrets, achieving 99.9% deployment reliability and significantly reducing deployment-related issues.
- Engineered a reactive Spring Boot application with r2dbc, efficiently handling over 100 concurrent requests with less than 100ms latency, ensuring optimal performance during peak hours.

PROJECTS

DSApractice - BACKEND SPRINGBOOT APPLICATION
Automated DSA Practice Platform

- Architected a robust Spring Boot application with reactive MongoDB (r2dbc), achieving a 30% faster development cycle, allowing for quicker iteration and feature rollout.
- Developed an enterprise-grade scheduling system using cron jobs, improving reminder accuracy by 40%, enhancing user engagement and satisfaction.

Notesort - OCR Document Management System-FULLSTACK PYTHON APPLICATION

- Engineered an ensemble OCR model combining EasyOCR, PyTesseract, and PaddleOCR for enhanced accuracy, significantly improving the reliability of document processing.
- Created a scalable document clustering system with Flask backend, reducing processing time by 25%, optimizing the overall workflow and user experience.

CODING ACHIEVEMENTS

- LeetCode: 480+ Problems with 1600+ Rating, consistently ranked under 1000 among 20,000+ participants in weekly contests.
- CodeChef: Rated as 3 StarCoder on CodeChef Platform
- Solved 800+ DSA problems across GeeksForGeeks, HackerRank, CodeChef, and Codeforces platforms.

ADDITIONAL ACHIEVEMENTS

- Earned recognition as an FFE Scholar, granted the prestigious Foundation for Excellence scholarship awarded to only 5% of applicants based on academic merit and commitment to innovation in technology.
- Research Paper: Co-authored "StrokeVision" research paper (Accepted for AIP 2024 Conference).
- Volunteered for NLP-OCR Project sponsored by the Department of Science and Technology, India.