

RAGHU RAJ SODANI

Full-Stack Developer | Python, TypeScript, JavaScript

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Professional Summary

Full-stack developer with 4+ years of experience in Python, JavaScript, and TypeScript. Proven expertise in building scalable systems serving 100K+ users, optimizing performance, and collaborating with cross-functional teams and researchers to deliver innovative AI-driven solutions.

Experience

- Software Development Engineer** May 2024 – Present
Amazon, Hyderabad, India
- Engineered data pipeline architecture integrating business intelligence for optimized data transfer between DynamoDB and Amazon Data Lake, ensuring data accuracy and transformation efficiency
 - Developed full-stack customer service platform using React, TypeScript, and GraphQL, serving 100K+ daily users with measurable business impact reducing customer contacts by 12.7%
 - Implemented automated voice interaction system with scripting and algorithms handling 10K+ daily user queries with intelligent response mechanisms
 - Led cross-functional JDK17 migration across 28 packages, maintaining stakeholder communication to align technical solutions with organizational goals
- Software Development Engineer** Nov 2023 – May 2024
MAQ Software, Hyderabad, India
- Spearheaded full-stack migration from legacy AngularJS to modern React with TypeScript, optimizing code functionality and operational efficiency
 - Achieved 30% performance improvement in data-heavy operations through algorithmic optimization and efficient query resolution
 - Collaborated with stakeholders to document issues, troubleshoot problems, and deliver solutions ensuring accurate output validation
- SDE Intern** Jan 2023 – Jun 2023
Amazon, Hyderabad, India
- Developed Spring-based APIs and GraphQL queries optimizing code functionality and reducing latency significantly
 - Created responsive UI components using React and JavaScript for enhanced user interaction mechanisms
 - Documented comprehensive troubleshooting guides for system maintenance and issue resolution

Research & Projects

- Maritime Navigation System (ISRO Collaboration)** Python, Django, React.js
- Engineered Python/Django-based system collaborating with ISRO researchers to deliver optimal deep-sea route planning
 - Implemented geospatial algorithms and data analysis for intelligent path optimization using mathematical modeling
 - Developed interactive React.js dashboard delivering impactful insights through real-time visualization

Technical Skills

Languages: Python, TypeScript, JavaScript, Java, C++
Frontend: React.js, Redux, HTML/CSS

Backend: Django, Spring Boot, Node.js, Express
AI/ML: TensorFlow, Keras, NumPy, Pandas

Cloud & Data: AWS (S3, DynamoDB, Lambda), GraphQL, PostgreSQL, MongoDB

Tools & Practices: Git, Docker, Code Reviews, Agile, CI/CD

Education

B.Tech in Computer Science Engineering
Indian Institute of Information Technology, Vadodara

Aug 2019 – May 2023
GPA: 8.1/10

Achievements & Recognition

- **INMO 2019 Scholar** – Indian National Mathematics Olympiad (demonstrates analytical and problem-solving excellence)
- **CodeChef 5-Star** – Rating 2040, Top 0.5% globally in competitive programming
- **Research Publication** – IDAMS 2022, Springer (Optimization Ontology for Goal Modelling Frameworks)