

Raghu Raj Sodani

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SUMMARY

Forward-thinking full-stack engineer with 4+ years building production applications at scale (100K+ users). Strong foundation in ML/AI with hands-on TensorFlow/Keras experience, eager to apply expertise to cutting-edge GenAI solutions. Proven track record of rapid prototyping, stakeholder collaboration, and translating complex technical concepts for diverse audiences. Thrives in fast-paced environments with startup DNA—comfortable wearing multiple hats and driving transformations through experimentation.

TECHNICAL SKILLS

- Full-Stack Development:** React.js, Next.js, TypeScript, JavaScript, Node.js, Python, Java Spring Boot, Django, REST APIs, GraphQL
- AI/ML Foundations:** TensorFlow, Keras, PyTorch basics, NumPy, Pandas, Scikit-learn, Model training & optimization
- Cloud & Infrastructure:** AWS (Lambda, S3, EC2, DynamoDB, SageMaker basics), Docker, CI/CD (GitHub Actions, GitLab), IaC concepts
- Databases & Data:** PostgreSQL, MongoDB, DynamoDB, GraphQL, Data pipelines, ETL, Semantic data modeling
- Integration & APIs:** OAuth, JWT, API security, Microservices, Event-driven architecture, Third-party integrations
- DevOps & Tools:** Git, Docker, AWS CDK, Terraform basics, Monitoring (CloudWatch), Agile, Technical documentation

EXPERIENCE

Software Development Engineer

May 2024 – Present

Hyderabad, India

Amazon

- Rapidly prototyped and deployed full-stack customer service platform (React, TypeScript, GraphQL) serving 100K+ daily users, reducing customer contacts by 12.7% through enhanced self-service capabilities—demonstrating fast iteration and customer impact
- Engineered end-to-end data pipeline integrating DynamoDB and Data Lake with transformation layers, validation logic, and automated quality checks ensuring data accuracy for downstream analytics
- Built intelligent voice interaction system processing 10K+ daily queries with automated response mechanisms using algorithmic approaches and scripting, showcasing AI-first experimentation mindset
- Led cross-functional JDK17 migration across 28 packages coordinating with multiple stakeholders, translating technical requirements into actionable roadmaps while maintaining deployment velocity
- Partnered with product teams through technical workshops to define requirements, present solutions, and gather feedback—balancing customer needs with technical feasibility

Software Development Engineer

Nov 2023 – May 2024

Hyderabad, India

MAQ Software

- Spearheaded full-stack migration from legacy AngularJS to modern React + TypeScript architecture, delivering in sprints with iterative feedback loops and achieving 30% performance improvement through optimization
- Designed reusable component library and patterns deployable across projects with standardized APIs, reducing development time by creating abstraction layers for common functionality
- Collaborated directly with enterprise stakeholders through technical workshops to document requirements, troubleshoot issues, and deliver solutions ensuring compliance and quality standards

Software Development Engineer Intern

Jan 2023 – Jun 2023

Hyderabad, India

Amazon

- Developed Spring-based microservices and GraphQL APIs with performance optimization reducing latency—experience translates to building scalable GenAI application backends
- Created responsive React UI components with modern hooks and state management for seamless user experiences

AI/ML PROJECTS & RESEARCH

ISRO Maritime Navigation System | *Python, Django, TensorFlow, React.js* 2022

- Built end-to-end AI-powered navigation system collaborating with ISRO researchers—experience translating complex technical concepts for domain experts and iterating on feedback
- Implemented geospatial algorithms with TensorFlow for pattern recognition, data preprocessing pipelines, and model optimization delivering actionable insights through interactive dashboards
- Designed REST APIs integrating ML models with frontend, showcasing ability to deploy AI solutions in production-like environments

Optimization Research (Published) | *Python, Mathematical Modeling* 2022

- Authored research paper on optimization algorithms published in IDAMS 2022 (Springer)—demonstrates ability to document technical approaches, create comprehensive guides, and share learnings with broader communities

EDUCATION

Indian Institute of Information Technology, Vadodara Vadodara, India

Bachelor of Technology in Computer Science & Engineering, GPA: 8.1/10

Aug 2019 – May 2023

ACHIEVEMENTS & STRENGTHS

- **CodeChef 5-Star** (Rating 2040, Top 0.5%) - Exceptional problem-solving and algorithmic thinking critical for AI agent development
- **INMO 2019 Scholar** - Mathematical olympiad background strengthens understanding of model optimization and prompt engineering
- **Fast Learner & Startup DNA** - Thrives in ambiguous, fast-paced environments; comfortable tackling challenges outside core expertise
- **Customer-Centric Mindset** - Proven ability to build trust with enterprise stakeholders, present demos, and translate technical concepts