

ADARSH SONI

Software Engineer • Python | Django REST | Spring Boot | AWS | React.js | Next.js
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SUMMARY

Software Engineer with a backend focus and hands-on experience building scalable REST APIs, data models and secure media delivery, and more recently real-time voice agents. Migrated media storage to AWS S3 and implemented CloudFront Signed URLs for secure access to private assets. Delivered a 40% reduction in workflow errors and shipped an end-to-end Order Management System currently live in production. Recognised as 'Innovator of the Month - May 2025' for consistently delivering beyond-scope backend features.

EXPERIENCE

RENAN – Software Engineer Intern | Remote | Jan 2025 - Jun 2025

- Delivered an end-to-end Order Management System (Django + DRF) for artist workflows, streamlining order creation, contract acceptance, and submissions – now live in production.
- Migrated media storage from local servers to AWS S3 and implemented CloudFront Signed URLs using Boto3 to enable secure and controlled access to private media assets.
- Eliminated manual project ID passing via Django session storage, cutting workflow errors by 40% across the labelling platform.
- Enhanced Django Admin with inline editing, optimised search, and custom list displays to improve user experience.
- Implemented fuzzy project search using Django FilterSet and PostgreSQL trigram similarity (pg_trgm), achieving sub-100 ms query performance across thousands of records.

Infosys – Systems Engineer | Remote | Apr 2022 - Sep 2023

- Built 3+ production-grade backend systems using Spring Boot MVC + Hibernate/JPA ORM with PostgreSQL, demonstrating production-ready backend patterns.
- Completed rigorous technical acceleration programmes, achieving high proficiency and earning certifications in Java and Spring technologies.

Trell – Software Engineer Intern | Bengaluru, India | Jun 2019 - Jun 2019

- Refactored 15,000+ lines of legacy backend code, achieving a 75% improvement in processing performance under peak load.
- Migrated the database layer from MySQLi to PDO, enabling multi-database support and cleaner, maintainable code.

PROJECTS

Hotel Concierge Voice AI – Python, LiveKit, Deepgram, Groq | Personal project

- Browser-based voice concierge for hotel guests: mic audio streams over LiveKit WebRTC through Silero VAD, LiveKit's turn detector, Deepgram Nova-3 (STT), an LLM on Groq and Deepgram Aura-2 (TTS).
- Streams at every stage so the spoken reply starts before the model finishes, built for a sub-650 ms p50 response target.

ShopLite E-commerce Store – MERN Stack (MongoDB, Express.js, React, Node.js) | Personal project

- Built a full-stack store with React 19, Express 5 and MongoDB: a 194-product catalogue with search, filters, sorting, pagination and a cart.
- Designed a REST API with Mongoose schemas, indexed queries, injection-safe search, natural-order sorting via MongoDB collation and origin-restricted CORS.
- Kept filters in the URL (shareable, reload-safe), debounced search and cancelled stale requests with AbortController.
- Built a persistent cart (React Context + useReducer + localStorage) with cent-accurate totals, light/dark theme and WCAG AA contrast checked with axe-core.

SKILLS

Programming Languages: Python • Java • JavaScript

Backend: Django • Django REST Framework • API Development • Django Signals • Spring Boot • Express.js

Cloud & Data: AWS S3 • CloudFront • Boto3 • Django ORM • MongoDB

Frontend: React.js • Next.js • Tailwind CSS

Voice AI: LiveKit • Deepgram • Groq

Tools: Git • Postman • Claude Code • Claude • ChatGPT • DeepSeek

EDUCATION

B.Tech in Computer Science & Engineering | Graduated Jun 2021 | GPA: 87%

SRM Institute of Science and Technology, Kattankulathur Campus, Chennai, Tamil Nadu

ACHIEVEMENTS & AWARDS

Innovator of the Month | RENAN, May 2025 – for consistently delivering beyond-scope backend features.

LANGUAGES

English – Fluent | Hindi – Native