

Sachin Budania

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SUMMARY

Software developer with hands-on experience building and deploying production web applications using Django, Django REST Framework, React, Next.js, TypeScript, and AWS. Experienced in designing REST APIs, authentication systems, multi-tenant architectures, background processing pipelines, cloud deployments, and responsive frontend applications. Pursuing a double major in Physics and Artificial Intelligence, combining analytical problem-solving with practical software development experience.

EDUCATION

Amity University, Gurugram

Bachelor of Science — Double Major in Physics and Artificial Intelligence, CGPA: 7.94/10, Expected Graduation: 2027
Latest SGPA: 8.55/10

EXPERIENCE

Frontend Developer Intern

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- Developed and maintained production web application features using modern frontend technologies.
- Integrated frontend applications with REST APIs, implementing and consuming backend functionality.
- Collaborated with developers using Git-based development workflows.
- Debugged application issues and improved usability, responsiveness, and frontend performance.
- Contributed to software products serving the higher-education domain.

PROJECTS

AI Movie Recommendation System | Python | Django REST Framework | Celery | scikit-learn | AWS Lambda | AWS

- Built a scalable movie recommendation backend capable of processing hundreds of thousands of movie records.
- Implemented Celery background workers to process large uploaded CSV datasets asynchronously by splitting data into chunks, preventing long-running API requests and improving scalability.
- Developed recommendation functionality using scikit-learn cosine similarity to calculate similarity between movie features.
- Integrated AWS Lambda for recommendation and similarity computation, separating compute-intensive workloads from the API layer.
- Designed and deployed REST APIs and supporting cloud infrastructure on AWS.
- Built the system with a focus on asynchronous processing, scalability, and maintainability.
- GitHub: github.com/thesachinbudania/recommendation_system

Covert — Multi-Tenant SaaS Application | Next.js | React | TypeScript | Django | Django REST Framework | PostgreSQL | AWS

- Built and deployed a full-stack SaaS application with a Next.js frontend and Django REST Framework backend.
- Implemented production authentication using dj-rest-auth, including email verification through magic links and Google OAuth login.
- Designed tenant-based schema isolation using Django Tenants, providing separate database schemas for individual accounts.
- Integrated Stripe payments as a demonstration of subscription and payment workflow integration.

- Built REST API integration between the frontend and backend and deployed the application as a live production system.
- Frontend: github.com/thesachinbudania/tenant-saas
- Backend: github.com/thesachinbudania/tenant_backend

Aetherfield — Figma to Next.js | Next.js | React | TypeScript | Framer Motion

- Recreated a Figma community design as a responsive Next.js web application with high visual fidelity.
- Implemented complex UI motion and interactions using Framer Motion.
- Focused on accurate spacing, typography, responsive layouts, animations, and component behavior to closely reproduce the original design.
- Optimized the application to achieve 92+ Lighthouse performance scores.
- GitHub: github.com/thesachinbudania/aetherfield

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, SQL

Frontend: React, Next.js, React Native, Tailwind CSS, Framer Motion

Backend: Django, Django REST Framework, REST APIs, Celery, dj-rest-auth

Databases: PostgreSQL, Relational Databases

Cloud & Infrastructure: AWS, AWS Lambda, AWS S3, AWS RDS, Cloud Deployment

AI / Data: scikit-learn, Cosine Similarity, Data Processing

Tools: Git, GitHub

CERTIFICATIONS

Harvard University — CS50x

Harvard University — CS50AI

Meta Professional Certificate — Frontend Development

Google Professional Certificate — UI/UX Design

Additional certifications in Frontend Development, Web Development, and UI/UX Design

LANGUAGES

English | Hindi