

ANSH SINGH

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EXPERIENCE

Full Stack Developer – Digistashing Technologies (Website)

Dec 2025 – Present

Django, PostgreSQL, GraphQL, Next.js, AWS | Full-time

Bangalore (Remote)

- Designed PostgreSQL database schemas and developed GraphQL APIs using Django, powering dashboard, transaction-processing, and customer-management workflows for **100+ daily active businesses**.
- Reduced database query time from ~220ms to ~140ms** by eliminating N+1 queries through Django ORM optimization (select_related/prefetch_related) and query batching.
- Designed and implemented end-to-end **Razorpay** payment integration, including webhook handling, transaction reconciliation, and failure recovery, processing **15,000+ transactions in 3 months**.
- Implemented monitoring and observability using **Grafana and Loki**, reducing issue diagnosis time from **4 hours to 1 hour**; built Next.js admin dashboards used by DevOps and support teams.

Full Stack Developer Intern – Tixon (Website)

Mar 2025 – Aug 2025

Next.js, React, TypeScript, PostgreSQL (Supabase), Cloudflare Workers

Chennai

- Served as primary full-stack engineer; designed the system architecture, PostgreSQL schemas, APIs, and frontend workflows for a booking and event-management platform serving **1,000+ users/hour** at peak traffic.
- Integrated **Zoho Payments** gateway with automated transaction reconciliation, payment verification, and failure-handling workflows supporting **100+ daily transactions**.
- Cut hosting costs by ~58%** by migrating compute workloads to serverless infrastructure on Cloudflare Workers.
- Migrated the codebase to a **Turborepo monorepo**, reducing build times from **~8 minutes to ~6 minutes**.

Full Stack Developer Intern – Quamin Tech Solutions (Website)

Oct 2024 – Feb 2025

React, Next.js, Express.js, Azure

Bangalore

- Cut database costs by 33%** by batching and deduplicating updates, reducing write volume to roughly one-third of the original.
- Developed **RESTful APIs and WebSocket-based real-time services** for IoT sensor data ingestion and delivery, improving message delivery rates from **~81% to ~92%** via reconnection handling and reduced dropped requests.

PROJECTS

Political Bias Classifier – IEEE Publication | PyTorch, RoBERTa, Hugging Face – **PAPER**

Feb 2025 – Jun 2025

- Fine-tuned a **RoBERTa-base transformer** (PyTorch, Hugging Face) for multiclass political-bias classification of LLM-generated text, achieving **94.48% accuracy** on **37,554 manually labeled** news articles.
- Published at ICSSAS 2025 (IEEE)**, analyzing political-bias patterns across modern LLM architectures; model and inference pipeline open-sourced on Hugging Face.

Memegen | Next.js, Azure AI, Supabase – **LIVE**

Apr 2025 – Aug 2025

- Built a full-stack app generating AI memes from real-time news headlines, with authentication and a public gallery.
- Engineered AI content-safety middleware with prompt validation, content filtering, and fallback handling for policy-compliant text generation.

Idea Clinic Forum | Next.js, TypeScript, PostgreSQL – **LIVE**

May 2024 – Oct 2024

- Built a full-stack discussion platform for SRM Incubation Cell, designing PostgreSQL schemas, authentication flows, and dynamic content creation and retrieval workflows.
- Reduced Largest Contentful Paint (LCP) from 6.8s to 1.3s** through backend query optimization and improved server-side rendering, increasing user engagement.

ACHIEVEMENTS AND CERTIFICATIONS

1st Prize – Hackathon Genesis 1.0 (TPHxSRM): decentralized blockchain voting app with anonymous authentication

AWS ML Foundations – AWS Academy Graduate

EDUCATION

SRM Institute of Science and Technology

Kattankulathur, Tamil Nadu

B.Tech in Computer Science and Engineering

Sep 2022 – Jun 2026

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C++, SQL, Bash

Frontend: React, Next.js, Tailwind CSS

Backend: Node.js, Express.js, Django, FastAPI, GraphQL, REST APIs, WebSockets

Databases: PostgreSQL, MongoDB, Redis, Supabase

Cloud & DevOps: AWS, Azure, GCP, Cloudflare, Docker, CI/CD (GitHub Actions), Linux, Grafana, Loki

Computer Science: Data Structures & Algorithms, Object-Oriented Programming, System Design, Microservices, DBMS, Operating Systems