

ANIRUDH DABAS

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Education

University of Waterloo

Bachelor of Computer Science - President's Scholarship of Distinction

Sep 2025 – Apr 2030

Waterloo, ON

Technical Skills

Languages: Python, JavaScript, TypeScript, C, SQL

AI/ML: Zephyr-7B, Mistral, GLiNER, Detoxify, SentenceTransformers, transformer fine-tuning, embeddings, NER pipelines

Frameworks: FastAPI, React, Next.js, Node.js, Express

Developer Tools: Docker, Git, Supabase (Auth + RLS), MongoDB, Razorpay, Postman, Selenium

Cloud / Infra: AWS EC2, Vercel, Linux, containerized deployments, CI workflows

Experience

Software Intern

Jan 2024 – Apr 2024

Talent4Assure

Remote

- Built core backend and mobile features for the “FindMe” safety app supporting women and children, including real-time GPS ingestion, geofence processing, background location syncing, and emergency alerts using React Native, Node.js, and MongoDB.
- Designed secure authentication with JWT, encrypted credential storage, and role-based route protection.
- Reduced API latency by 30% through MongoDB indexing, caching geospatial lookups, and optimizing aggregation pipelines.
- Containerized backend services using Docker, improving Android/iOS deployment stability.

Co-Founder

2023 – Present

Trend Weavers Media

Remote

- Scaled a digital media agency to 15+ clients and \$85K+ revenue by building automation, analytics, and full-stack tools.
- Engineered Python pipelines integrating Meta/TikTok APIs to automate weekly analytics, reducing reporting time by 20+ hours/month.
- Developed competitor-tracking pipelines with Puppeteer, cron jobs, and scraping engines to generate actionable insights.
- Built high-performance client platforms using Next.js + Supabase, implementing event tracking and conversion analytics.

Projects

FeedFilterAI — Full-Stack AI Moderation Pipeline | *Next.js, FastAPI, Detoxify, Zephyr-7B, GLiNER*

- Engineered an ML pipeline analyzing toxicity, sentiment, bias, NER entities, and trending topics across 10K+ posts.
- Integrated Detoxify, Zephyr-7B, and GLiNER for multi-task classification and transformer-based NER.
- Built semantic clustering using SentenceTransformers embeddings to group topics and surface trends.
- Deployed containerized microservices (FastAPI + Docker) with real-time Slack/Notion alerting and a responsive Next.js front-end.

Delriz — Full-Stack eCommerce Platform | *MongoDB, Express, Supabase, Razorpay, Next.js*

- Built an end-to-end eCommerce platform with dynamic product display, authentication, cart/wishlist, and secure checkout workflows.
- Developed REST APIs using Express + MongoDB, with schema validation, indexes, and optimized product queries.
- Integrated Razorpay payments with webhook-driven order updates and Supabase Auth (RLS) for access control.

Child Abuse Prevention App — National Hackathon Winner | *AI, Chatbot, Social Impact*

1st Place

- Developed a mobile-first AI safety app at a national hackathon, integrating a fine-tuned transformer model for real-time high-risk language detection.

Leadership & Certifications

Industry Relations Lead – XINO (Tech Symposium)

Apr 2019 – Feb 2024

Delhi, India

- Organized XINO'23 with 8 events and 80+ participating schools
- Delivered cybersecurity workshops for 2,000+ attendees.
- Managed partnerships, speaker outreach, and large-scale event logistics across 3 years.

Student Council President – DPS Rohini

Apr 2023 – Mar 2024

Delhi, India

- Led a student council of 60+ and represented 3,500+ students at institutional events.
- Directed flagship school programs and mentored 10 junior houses + 4 club heads to improve event execution.