

ANSH PACHAURI

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Education

Galgotias College of Engineering And Technology

Nov 2022 – May 2026 (Expected)

B.Tech in Computer Science and Engineering

Technical Skills

Languages: C, Java, Python, JavaScript, TypeScript

Frontend: HTML, CSS, Tailwind CSS, React.js, Next.js, React Redux, Tanstack Query

Backend & APIs: Node.js, Express.js, FastAPI, WebSocket, CI/CD, Socket.IO, RESTful APIs

Databases & ORMs: MongoDB, PostgreSQL, MySQL, Prisma ORM, Supabase

AI/ML & Cloud: Generative AI, LangChain, AWS, Kubernetes

Core Concepts: Data Structures, Algorithms, OOP, System Design, Time & Space Complexity

Developer Tools: Git, GitHub, Docker, Postman, Vercel, AWS, VS Code, Jira

Experience

Anthrolic Techonologies

Nov 2025 – Mar 2026

Full Stack AI Engineer Intern

Remote

- Architected a **production-grade multi-tenant system** with tenant-level data isolation and RBAC, enabling secure onboarding of multiple client organisations with scalable backend design.
- Engineered an **AI-driven case study generation pipeline** using LLMs, embeddings, and semantic retrieval, driving a **70% increase in user retention**.
- Designed end-to-end **coupon and referral management systems** with validation logic, expiry controls, usage limits, and fraud prevention, integrated across backend APIs and frontend workflows.
- Built an **admin dashboard** with role-based controls, feedback management, and operational monitoring tools, reducing manual overhead and improving internal team visibility.
- Delivered **55+ merged pull requests** averaging 2-3 PRs/week across feature builds, bug fixes, and performance improvements with **zero breaking changes in production**.

Projects

AI Prompt Evaluator - Open Source Project | *Next.js, Tailwind CSS, Gemini AI, Alchemyst AI, Chart.js*



- Built an **open-source prompt evaluation tool** using **Gemini LLM** and **Alchemyst AI** to score AI prompts across **clarity, groundedness, and tone**; improved **user refinement accuracy by 40%**.
- Designed a **structured feedback pipeline** generating **3-5 dimensional insights** per prompt with **Chart.js visualisation components** for consistent and explainable evaluations.
- Added **context management** and **Chart.js visualisation components** to deliver consistent, explainable, and auditable prompt evaluations.
- Refined evaluation logic and applied **response normalisation techniques**, resulting in a **25% improvement in feedback consistency** and higher user trust.

Dream Wave | *Turborepo, Next.js, Express.js, Stability AI, Prisma ORM, PostgreSQL, TypeScript*



- Developed an **AI image generation platform** using **Next.js** and **Stability AI** with **secure JWT authentication**, session handling, and a **PostgreSQL-Prisma data layer** in a Turborepo monorepo.
- Integrated **Stability AI API** and optimised inference workflows with **caching and batching**, reducing latency and enhancing scalability for high-volume image generation.
- Built a responsive UI using **Tailwind CSS** and **Aceternity UI**, contributing to a **25% increase in average user session duration**.

YT Transcript Assistant | *React.js, FastAPI, LangChain, Gemini AI, TypeScript, Tailwind CSS*



- Built a **Chrome extension** with a **FastAPI backend** to automate YouTube transcript extraction; implemented **semantic search and summarisation** using **LangChain + Gemini LLM embeddings**.
- Engineered a **fault-tolerant transcript retrieval system** with **fallback methods** (YouTube Transcript API), achieving **95% transcript availability** even under API restrictions or IP blocking.
- Optimised **end-to-end pipeline latency** through **async processing and caching**, resulting in a **2x improvement in user response speed**.