

Anukool Pandey

✉ Email | ☎ +91-6393362013
in LinkedIn | GitHub | Portfolio

EDUCATION

BE in Electronics and Communication Engineering
UIET, Panjab University

2023 – 2027
CGPA 8.29

TECHNICAL SKILLS

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

Frameworks: React.js, Next.js, Node.js, Express.js, Flask, Tailwind CSS

Tools: Jinja2, Git, Docker, Vim, Prisma, PostgreSQL, React Query, Recoil, Zod, GitHub

EXPERIENCE

• Frontend Developer Intern, June 2025 – July 2025

A2IT Internedge

- Developed a responsive **Vanilla JavaScript + CSS frontend** with **Jinja2 templates** for [Entropy](#), a **full-stack Flask blogging site**, ensuring smooth navigation and dynamic page rendering.
- Built **Flask APIs**, integrated **SQLAlchemy ORM**, implemented rich-text blog editing using **CKEditor**, and deployed the application on **PythonAnywhere**.

• Open Source Contributor — Hacktoberfest (2024, 2025)

Contributed bug fixes, optimizations, and stability improvements across multiple open-source repositories.

- [facebook/docusaurus](#) — Corrected site homepage overflows.
- [weam-ai/weam](#) — Corrected focus behavior in credit allocation.
- [CoolCat / Scanner-Server](#) — Updated logging functionality and improved CSS responsiveness.

• Competitive Programming

Solved 400+ algorithmic problems across **Codeforces**, **CodeChef**, and **LeetCode**.

PROJECTS

STARSYNC ↗:

- Built a full-stack **real-time collaboration platform** using WebSocket, Liveblocks, and a self-hosted Piston code execution sandbox deployed on a DigitalOcean Droplet.
- Designed room-based workflows including **competitive problem-solving rooms** with live chat, **development rooms** with Monaco Editor and collaborative whiteboard, and **chat rooms** with live messaging.
- Enhanced UI/UX with **shadcn/ui + Tailwind CSS**, collaborative editing using **Yjs/Liveblocks**, and secure Redis-backed sessions. Engineered a scalable backend with Express.js, PostgreSQL, Prisma, and WebSocket services.

Technologies: React.js, TypeScript, Express.js, PostgreSQL, Prisma, Redis, WebSocket, Yjs, Liveblocks, Piston, Docker

CONCIOUS ↗:

- Built a **MERN second-brain platform** to save and organize links, uploaded PDFs, summaries, collections, and personal context in an AI-searchable dashboard.
- Integrated a **RAG-based AI chatbot** to query saved dashboard content with source-backed responses.
- Designed a scalable **retrieval and content-indexing architecture** with hybrid search, **JWT-secured REST APIs**, **React Query data fetching**, content sharing/saving, and a responsive **React + Tailwind CSS** interface.

Technologies: React.js, TypeScript, React Query, Express.js, MongoDB Atlas Vector Search, Hugging Face API, OpenRouter API, Cloudinary, Tailwind CSS

ACHIEVEMENTS & CERTIFICATIONS

- **GDG Technovate 3.0 Hackathon (among Top 8 teams):** presented [Swastha Setu](#).
- **CS50x: Introduction to Computer Science** — Harvard University.
- **JavaScript Algorithms & Data Structures** — freeCodeCamp.
- **Quantum Information and Algorithms** — IBM Quantum.