

SAGNIK CHAKRABORTY

✉ sagnik432005@gmail.com | 🌐 <https://github.com/Sagnik-23> | **in** <https://www.linkedin.com/in/sagnik-chakraborty-158759280/> | ☎ +91 7432025656

SKILLS

- **Frontend:** HTML, CSS, JavaScript, React, Next.js, Tailwind CSS, TypeScript
- **Backend:** Node.js, Express.js, Flask
- **Database:** PostgreSQL, MongoDB, Neon DB
- **Dev Tools:** Git, Docker, VS Code, Postman
- **Languages:** Python, JavaScript, TypeScript

EXPERIENCE

Full Stack Developer (Intern)

March 2025 – Present

Tending To Infinity Academy

Remote

- <https://tendingtoinfinityacademy.com/>
- Developed and deployed full-stack web applications using React, Node.js, and PostgreSQL.
- Integrated payment gateway (Razorpay) for subscription-based services.
- Optimized API responses by 30% using query optimization and caching strategies.

PROJECTS

AI Prescription Scanner

React, Python, Flask, Azure

- Developed an AI-powered system to scan handwritten medical prescriptions and extract drug names and dosage information.
- Applied OCR from Azure Document AI and tried to improve accuracy on noisy handwriting.
- <https://frosthacks-meteors-two.vercel.app/>
- https://github.com/Sagnik-23/Frosthacks_Meteors

WhatsApp Chat Analyzer

Python, Pandas, Matplotlib

- Built a tool to parse WhatsApp chat exports and generate insights like most active users, peak activity hours, and word clouds.
- Visualized trends and sentiment analysis using Matplotlib and Seaborn.
- <https://whatsapp-chat-analyzer-v1lk.onrender.com>
- <https://github.com/Sagnik-23/WhatsApp-Chat-Analyzer>

Serverless Video Compression

NEXT JS, Tailwindcss, FFmpeg

- Developed a serverless pipeline using Web Assembly(WASM) to compress user-uploaded videos with FFmpeg.
- Reduced average video size by 65% while maintaining quality, cutting storage costs significantly.
- <https://next-js-zdzd.vercel.app/>
- <https://github.com/Sagnik-23/Next-JS/tree/main/converter>

Reel Video Upload Platform

Next.js, Imagekit, Mongo DB

- Designed and built a full-stack platform for uploading, storing, and streaming short-form reel videos.
- Implemented Imagekit for scalable video storage and integrated user authentication with JWT.
- <https://next-js-chi-fawn.vercel.app/>
- <https://github.com/Sagnik-23/Next-JS/tree/main/imagekit-store-video>

EDUCATION

Academy of Technology, West Bengal

2023 – 2027

B.Tech in Computer Science and Engineering

- Relevant Coursework: Data Structures, Algorithms, DBMS, AI/ML.