

Gurjotpal Singh

Full-Stack & Backend Developer · BCA 2nd Year — CT Group of Institutes, Punjab

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Open to remote internships

ABOUT

I'm a second-year BCA student who builds and ships real projects — not just course assignments. Most of what I've learned came from actually trying to deploy something and figuring out what breaks. I tend to work across the whole stack: FastAPI or Flask on the backend, plain JS or React on the front, Firebase or Supabase for data, and Render/Vercel/Netlify for hosting. I'm comfortable taking a rough idea and turning it into something that actually works for people. Looking for a remote internship or part-time role where I can contribute to real backend or full-stack work — not just fix typos in docs.

SKILLS

Languages	Python, JavaScript, HTML, CSS
Backend	FastAPI, Flask, Node.js, REST API design
Frontend	React.js, Next.js, Tailwind CSS, vanilla JS/CSS
Databases	Firebase Firestore, Supabase (PostgreSQL)
Deployment	Render, Vercel, Netlify, Hostinger, Cron jobs
Tools & Others	Git, GitHub, Postman, yt-dlp, QR code workflows

PROJECTS

Aureum Music

aureum-music.in

HTML · CSS · JS · Node.js · FastAPI · Firebase · Render · Netlify

Built because I was tired of Spotify's ads interrupting music mid-song. Aureum is an ad-free streaming platform with its own backend — no third-party player embeds. The FastAPI server handles audio delivery, Firebase manages user sessions, and the frontend is a custom UI I designed from scratch. Keeping the audio pipeline clean without buffering issues took most of the iteration.

Key points: Custom audio backend · Ad-free · Firebase auth · Live at aureum-music.in

igdl1 — Instagram Downloader

igdl1.com

HTML · CSS · JS · Flask · yt-dlp · Render · Hostinger

Most Instagram downloader tools are covered in ads or require you to log in. igdl1 is just a URL box — paste a reel, post, or story link and get the file. Flask wraps yt-dlp on the backend to handle the actual extraction. The main challenge was keeping it stable as Instagram periodically changes how it serves media, so yt-dlp updates are important. Hosted on Render with a Hostinger domain.

Key points: No login needed · yt-dlp extraction · Clean UI · Live at igdl1.com

DevOps Pulse — Uptime Monitor

we-devop.netlify.app

HTML · CSS · JS · FastAPI · Firebase · Cron · Netlify

A lightweight tool to check whether a service or endpoint is actually up. FastAPI backend runs scheduled cron pings and writes results to Firebase. The frontend pulls status data and shows a simple dashboard. Built this mostly because I wanted something like UptimeRobot but smaller and under my own control. Nothing fancy — it just does one thing reliably.

Key points: Cron-based pings · FastAPI + Firebase · Status dashboard · Live

CT Gate Pass (CTGP)

ctgatepass.in

[HTML](#) · [CSS](#) · [JS](#) · [FastAPI](#) · [Supabase](#) · [Render](#) · [Vercel](#)

My college used paper slips for student gate passes — teachers signed them, guards checked them manually. I replaced that with a digital workflow: students submit a leave request, teachers approve or reject it, and guards scan a QR code at the gate for verification. Supabase handles the database and role-based access, FastAPI runs the backend. This one had real users from day one — students and staff at my own college — which made getting the UX right actually matter.

[Key points: 3 user roles](#) · [QR verification](#) · [Supabase + FastAPI](#) · [Live at ctgatepass.in](#)

Ranqlet — Builder Leaderboard

ranqlet.netlify.app

[Next.js](#) · [Tailwind CSS](#) · [Firebase](#) · [Vercel](#) · [Recharts](#)

An experiment in reputation for builders: submit a project each season, get peer ratings, climb a leaderboard. The idea was that a builder's track record should be visible and permanent — not tied to social media followers. Built with Next.js and Firebase; the leaderboard chart uses Recharts. Still early, but the core loop works.

[Key points: Seasonal submissions](#) · [Peer ratings](#) · [Next.js + Firebase](#) · [Live](#)

EDUCATION

Bachelor of Computer Applications (BCA) — CT Group of Institutes, Shahpur Campus, Punjab

2023 – 2026

Currently in 2nd year. No formal CS coursework on APIs or deployment — picked those up independently while building projects.

A FEW THINGS WORTH MENTIONING

- All five projects above are live and publicly accessible — not mockups or localhost demos.
- I handle the full deployment cycle: code, hosting config, DNS, environment variables, and keeping things running.
- Comfortable working async and remotely — most of my work is self-directed with no supervision.
- I don't know everything, but I'm reasonably fast at figuring things out when I get stuck.
- Open to part-time, freelance, or internship roles — remote preferred, flexible on hours.