

SIMARJOT SINGH

+91 8447502981 | simarjot4888@gmail.com | [LinkedIn](#) | [GitHub](#)

EDUCATION

Bachelor of Technology in Information Technology

Guru Tegh Bahadur Institute of Technology

2022 – 2026

CGPA: 8.02

TECHNICAL SKILLS

Languages: C++, JavaScript, Python, SQL

Core CS: DSA, OOP, OS, Computer Networks, DBMS

Web Development: React, Node.js, Express, FastAPI, Jinja2, REST APIs, Vite

Tools & Practices: Git, GitHub, VS Code, OAuth 2.0, MySQL, Asynchronous Programming

Cloud & Deployment: Render, Basic AWS

EXPERIENCE

SGate Tech Solutions

Software Development Intern

New Delhi

Feb 2026 – Present

- Contributed to NeoSLS100x, an existing employee-facing shipping query management product, collaborating with the internal team to add and improve core features.
- Implemented server-side pagination for the query listing page, reducing initial page load time by **62%** and cutting average API response size by **74%** by loading products on demand rather than fetching the full dataset upfront.
- Worked on query state transition workflows (New, Draft, Won, Lost) with validation guards, preventing invalid state changes and ensuring data consistency across the shipping pipeline.
- Built filtering and search across query attributes (status, date, assignee), enabling support staff to locate and resolve shipping inquiries **40% faster** compared to the previous workflow.
- Participated in sprint planning and code reviews with senior engineers, contributing to feature scoping, bug triage, and incremental delivery of production-ready modules.
- Also contributed to the company's training project Social CRM platform, implementing OAuth 2.0 flows and cross-platform publishing features across Facebook, Threads, and LinkedIn.

PROJECTS

Social CRM | *React 19, Vite, Tailwind CSS, Node.js, Express 5, JWT, OAuth 2.0*

[Live]

- Full-stack social media management platform supporting Facebook, Instagram, Threads, LinkedIn, and X from a single dashboard, with Google OAuth for app authentication.
- Architected OAuth 2.0 flows for Facebook Graph API, Threads API, and LinkedIn API; integrated X via a FastAPI automation microservice to bypass the official API paywall.
- Implemented Facebook post scheduling with server-side Unix timestamp validation and LinkedIn image uploads via a 3-step Assets API flow (register → binary upload → UGC post).
- Built a "Post to All" broadcast feature using `Promise.allSettled` for parallel multi-platform publishing with real-time per-platform status feedback.

AI Video Generator | *Node.js, Express, Gemini 2.5 Flash, ClipDrop API, gTTS, FFmpeg*

[Demo]

- End-to-end video generation pipeline: Gemini 2.5 Flash generates a structured script, ClipDrop API produces AI images per scene, gTTS synthesizes narration, and FFmpeg assembles the final MP4 with subtitle overlays, Ken Burns zoom, and cross-fade transitions.
- Engineered a multi-stage async pipeline in Node.js with per-stage error handling, stock image fallbacks, and real-time progress polling so the frontend reflects each pipeline stage without blocking.

ACHIEVEMENTS & CERTIFICATIONS

Problem Solving | Solved 250+ DSA problems across arrays, strings, trees, DP, and binary search on LeetCode/GFG.

Data Insights & Analytics | *IBM SkillsBuild*

DSA in C++ | *Coding Blocks*

MERN Stack with AI | *GeeksforGeeks*