

Neetigya Shah

+91-8968896095 | neetigyashah@gmail.com | [linkedin](#) | [github](#)

EDUCATION

Vellore Institute of Technology

Bachelor of Technology in Computer Science

CGPA: 8.07

Vellore, Tamil Nadu

Sept. 2022 – Sept. 2026

Sanawar Public School

Senior Secondary

Percentage: 92.4%

Bathinda, Punjab

Aug. 2021 – May 2022

Delhi Public School

High School

Percentage: 84.6%

Bathinda, Punjab

Apr. 2019 – Mar. 2020

EXPERIENCE

Software Engineer Intern

Bharat Electronics Limited (BEL) – CRL

May 2019 – July 2019

Ghaziabad, U.P

- Implemented SQL database operations using C++, optimizing data handling for the VDU (Visual Display Unit) module
- Developed C++ programs to interact with SQL databases, ensuring efficient data storage and retrieval
- Assisted in designing database schemas for managing CBTC (Communication-Based Train Control) system data
- Wrote optimized C++ queries for performing CRUD (Create, Read, Update, Delete) operations on structured data
- Documented technical processes and database interaction methods for future system integration

PROJECTS

AI-Powered SQL Query Generator | *Python, FastAPI, React, PostgreSQL, Gemini API, LangChain* Jan 2025 – Present

- Built a natural language to SQL generator using OpenAI GPT-4 and LangChain for query creation and validation
- Developed a React-based UI for query input and result visualization
- Used PostgreSQL with AI-driven indexing to optimize performance

CentralNotes: Centralized File Sharing Platform | *Python, Flask, CustomTkinter, SQLite, Ngrok* May 2025 – Present

- Created a modern cross-platform GUI file sharing tool using Flask and CustomTkinter
- Implemented secure file upload/download with SQLite database backend
- Enabled local and ngrok-based remote access with seamless switching
- Ensured robust communication with persistent configs, error handling, and multithreading
- Experimented with a Peer-to-Peer version (accidentally made a torrent engine)

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), HTML/CSS, R

Frameworks: React, Node.js, Flask, WordPress, Material-UI, FastAPI, Python-QT, Tkinter,

Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: pandas, NumPy, Matplotlib