

Sarthak

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LinkedIn: <https://www.linkedin.com/in/sarthak-dhiman/>

GitHub: <https://github.com/sarthak-dhiman>

Education

Guru Nanak Dev University, Amritsar

2022-2026

B. Tech Computer Science and Engineering

Skills & abilities

- **Programming Languages:** C++, Java, Python, SQL
- **Frameworks & Libraries:** PySide, Electron, TensorFlow, Seaborn, Matplotlib, Pandas
- **Web & Full Stack:** React.js, FastAPI, Tailwind CSS, Vite, Axios
- **Tools & Platforms:** Git, GitHub, Jupyter Notebooks, Electron Builder, Node.js, NPM
- **Desktop & System Dev:** WinAPI, Electron, SQLAlchemy
- **Database:** PostgreSQL, MongoDB

Certifications

- Python Certification – HackerRank
- Java Certification – HackerRank
- Goldman Sachs - Software Engineering Job Simulation

Projects

HeliosPredict

<https://github.com/sarthak-dhiman/HeliosPredict>

AI-driven model to predict solar energy production based on historical weather data & plant output.

Tech: Python, TensorFlow, Pandas, NumPy, Matplotlib, Seaborn, WeatherAPI

Capriconus

<https://github.com/sarthak-dhiman/Capriconus>

Full-stack desktop game library built with Electron.js (React) + FastAPI + PostgreSQL.

Tech: Electron, React, Tailwind CSS, FastAPI, PostgreSQL, SQLAlchemy

ButtonMorse

<https://github.com/sarthak-dhiman/ButtonMorse>

Morse code decoder using Arduino/Raspberry Pi Pico, with a standalone Windows GUI version.

Tech: C++, MicroPython, WinAPI, Arduino/RPi Pico