

# Priyanshu Kumar Singh

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## Education

**Bachelor of Computer Application**

*June 2024 – May 2027*

Dehradun Institute of Technology, Dehradun

## Projects

### Portfolio Website

[Live](#) | [GitHub](#)

*React JS, HTML5, CSS, JavaScript, Tailwind CSS, Git, GitHub*

- Built a portfolio website using React, HTML, CSS, and styled with Tailwind CSS.
- Deployed the website on Vercel.
- Integrated a response form with Formspree API.

### Friday: AI Assistant

[Github](#)

*Python, OpenAI API, Whisper, Edge TTS, Porcupine, Playwright*

- Developed a voice-activated AI assistant using GPT for command processing.
- Automated task execution with Playwright.
- Designed a user-friendly and efficient interface.

### Nimbus: Weather App

[Live](#) | [GitHub](#)

*React JS, JavaScript, Tailwind CSS, Vercel, GitHub*

- A simple and responsive weather application built with React + Vite + Tailwind CSS.
- It fetches live weather data using the OpenWeather API and displays temperature, conditions, and location details.
- Developed a minimalist and mobile-friendly user interface.

### ToDo App

[Live](#) | [GitHub](#)

*Flask, PostgreSQL, Supabase, SQLAlchemy, Jinja2, Gunicorn, Render*

- Developed a full-stack ToDo web application using Flask and PostgreSQL with complete user authentication (login/register).
- Integrated Supabase as a remote PostgreSQL backend, handling all CRUD operations for Todos.
- Deployed the app on Render with a production WSGI setup using Gunicorn, achieving a fully live web interface.
- Implemented secure session handling and organized Jinja2 templates for a clean, responsive UI.

## Technical Skills

**Languages:** C, HTML5, CSS, JavaScript, Python

**Developer Tools:** Git, GitHub, Pandas, NumPy, MongoDB, PostgreSQL, SQLite

**Frameworks & APIs:** Tailwind CSS, Flask, React JS, Streamlit, Playwright, REST APIs

## Other

**Networking & Security:** IP, DNS, NAT, ARP, Nmap, Wireshark, REGEX programming, Socket programming