

# Priyanshu Kumar Singh

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## Education

### Bachelor of Computer Application

Dehradun Institute of Technology, Dehradun

June 2024 – May 2027

## Projects

### Portfolio Website

[Github](#)

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

- Built a portfolio website using HTML, CSS, and styled with Tailwind CSS.
- Deployed the website on GitHub Pages.
- Integrated a YouTube mini-player for seamless video embedding.

### 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.

### PocketFlow: Spends Tracker App

[Github](#)

*Python, Streamlit, Gmail SMTP, Pandas, Gspread*

- Created a minimalist spending tracker app integrated with Google Sheets.
- Implemented Gmail automation for monthly spending reports.
- Developed a secure 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.
- Built for portfolio use with scalable architecture and database hosted on a Free Tier cloud platform.

## Technical Skills

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

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

**Frameworks & APIs:** Tailwind CSS, Streamlit, OpenAI Whisper, Edge TTS, Playwright, Porcupine, REST APIs, Flask

## Other

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