Priyanshu Kumar Singh

Gmail | LinkedIn | X (Twitter)

Education

Bachelor of Computer Application   *June 2024 – May 2027*
Dehradun Institute of Technology, Dehradun

Projects

Portfolio Website   Live | GitHub
React, 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.

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, NumPy, MongoDB, PostgreSQL, SQLite
Frameworks & APIs: Tailwind CSS, Flask, React, Streamlit, OpenAI Whisper, Edge TTS, Playwright, REST APIs

Other

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