Priyanshu Kumar Singh

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Education

Bachelor of Computer Application (BCA)   *Expected Grad: 2027*
Dehradun Institute of Technology, Dehradun, India
Relevant Coursework: Data Structures & Algorithms, Database Management, Full-stack Development

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 the 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.

PlanIt: Notes App   Live | Github
MongoDB, Express.JS, React.JS, Node.JS, TailwindCSS, Cloudinary, Multer, JWT, bcrypt

- Engineered a full-stack application with JWT authentication and password hashing, securing user data for 50+ active users.
- Implemented image upload functionality using Multer and Cloudinary, reducing image load times by 40% compared to base64 encoding.
- Deployed a scalable backend on Railway and a CDN-fronted frontend on Vercel, achieving a 95% Lighthouse performance score.
- *Result: The app handles over 100+ CRUD operations daily with no downtime.*

Technical Skills

Programming Languages: JavaScript (Proficient), Python (Proficient), C (Familiar)
Frontend: React, HTML5, CSS, Tailwind CSS, Vite
Backend: Node.js, Express.js, REST APIs
Database: MongoDB, MySQL
Tool & Platforms: Git, GitHub, Vercel, Railway, Playwright, Wireshark, Nmap
Concepts: Authentication (JWT, bcrypt), OOP, Computer Networking