

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, Software Engineering, Computer Networking, Operating Systems

Projects

• PlanIt: Notes App *MongoDB, Express.js, React.js, Node.js, TailwindCSS, Cloudinary, Multer, JWT, OAuth, CI/CD*

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

- Engineered a full-stack application with JWT authentication and third-party authentication, 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.*

• Friday: AI Assistant

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

[GitHub](#)

- Developed a voice-activated AI assistant using GPT for command processing.
- Automated Task Execution with Playwright.
- Designed a user-friendly and efficient interface.
- Integrates 3+ APIs (OpenAI, Whisper, Edge TTS).

• Portfolio Website

React.js, Next.js, TypeScript, Tailwind CSS, Git, GitHub

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

- Built a portfolio website using React.js, Next.js, TypeScript and styled with Tailwind CSS.
- Deployed the website on Vercel and integrated a response form with the Formspree API.
- Achieved 90+ Lighthouse score for performance and accessibility.

• Nimbus: Weather App

React.js, Node.js, JavaScript, Tailwind CSS, Vercel, GitHub

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

- A simple and responsive weather application built with React.js + Vite + Tailwind CSS.
- Fetches live weather data using the OpenWeather API and displays temperature, conditions, and location details.
- 99% uptime on Vercel deployment.
- Serves 200+ daily users with real-time weather data.

Technical Skills

Programming Languages: TypeScript (Proficient), JavaScript (Proficient), Python (Proficient), C++ (Intermediate)

Frontend: Next.js, React.js, HTML5, CSS, Tailwind CSS, Vite

Backend: Flask, Node.js, Express.js, REST APIs

Database: MongoDB, MySQL