

# Veer Pratap Singh

## Computer Science Undergraduate I

Computer Science undergraduate with hands-on experience building and managing technology-driven projects and student-focused applications. Proven ability to design user-centric solutions, work across both software and hardware domains, and collaborate effectively in team environments. Skilled in problem-solving, adaptable to new technologies, and driven to deliver impactful results. Seeking opportunities in product development, coordination, and technology-led growth where I can contribute and continuously improve.

### EXPERIENCE

#### Academic and Independent Projects

Babu Banarasi Das University, Lucknow

August 2023 - Present

- Led the design and development of multiple academic and independent technology projects
- Coordinated planning, development, testing, and deployment of web and application-based solutions
- Collaborated with team members to manage timelines, features, and user feedback
- Focused on usability, performance, and solving real-world student problems

#### Key Project Contributions

- [BBD Papers Created](#) and maintain a free, centralised academic platform for 5000+ students with searchable past papers, notes, labs, calendar, and AI-supported content on web and Android using TypeScript, Next.js, Tailwind, Supabase, and Vercel.
- [BBD Mess Menu](#) – A PWA for hostel students showing the daily mess menu with offline support, dark mode, auto-sorting, real-time updates, and AI-ready features, built using TypeScript, Next.js, Tailwind, Radix UI, Google Genkit, and Firebase.
- [GitHub Visualizer](#) - A visual developer tool that transforms GitHub repositories into interactive 2.5D tree-maps and teaches Git through a hands-on terminal simulator.
- [AlgoViz](#) - AlgoViz is an interactive, visual-first platform for learning data structures and algorithms through real-time visualisations and step-by-step execution.
- [Rig2Real](#) - An AI-powered platform that transforms ancient Indian sustainable knowledge from the Rigveda into structured, modern learning experiences, aligned with UN Sustainable Development Goals (SDGs).
- [Utkarsh Event Site](#) - The unofficial website for **Utkarsh 2026**, a college fest at **BBD University, Lucknow**, featuring events like a DJ Night.
- [CarboDesk](#) - CarboDesk is an enterprise-grade analytical platform that transforms raw carbon pricing data into actionable market intelligence. Built for institutional analysts, it combines deep sequential modeling with real-time geopolitical sentiment analysis and real-world economic indicators to predict price trajectories in a volatile global economy.
- [Personal Portfolio](#) - Welcome to my digital garden. This portfolio isn't just a showcase; it's a statement. Designed to be **calm, minimal, and high-impact**, it explores the synergy between complex engineering and elegant design.
- [BBD Papers Playbook](#) - BBD Papers Playbook is a student-built hub for BBD University students, offering multiple helpful apps in one place
- Paper Sorting Automation- Computer Science undergraduate with hands-on experience building and managing technology-driven projects and student-focused applications. Proven ability to design user-centric solutions, work across both software and hardware domains, and collaborate effectively in team environments. Skilled in problem-solving, adaptable to new technologies, and driven to deliver impactful results. Seeking opportunities in product development, coordination, and technology-led growth where I can contribute and continuously improve.

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<https://github.com/Veerpratapsingh08>

<https://veerpratapsingh.vercel.app>

### SKILLS

- Project Coordination & Team Collaboration
- Frontend Development (HTML, CSS, JavaScript.React and Next.js)
- Basic Backend Development (Node.js / APIs/fast API)
- Data Analysis & Visualization
- Problem Solving & Data Structures
- User-Centric Design & UI Thinking
- Basic Embedded Systems & Robotics
- Version Control (Git & GitHub)
- Responsive Web Design
- Debugging And Testing
- Basic Database

### EDUCATION

#### Babu Banarasi Das University

Bachelor of Technology (B.Tech) in Computer Science

Expected Graduation: 2027

### OTHER

- First Position – Robo-War Competition, Akhil Jyoti Event (2025,2026)
- First Position – Robo-Con Competition,(2025,2026)
- Member, University Robotics Club
- Actively involved in self-driven learning and project-based development