

Mob: 6388529263 | **Email:** ayushmansingh2512@gmail.com | **Address:** Gorakhpur, Uttar Pradesh

I am a Bachelor of Computer Application (BCA) student at Dean Dayal Upadhyaya Gorakhpur University passionate about designing user experiences and developing web applications. My expertise lies in full-stack development, UI/UX design, and real-time applications.

Projects

Sourcing sphere global | [Link](#)

- Developed a **full-stack MERN** (MongoDB, Express, React, Node.js) application tailored for an **import-export business**.
- Designed a **responsive frontend** using **Tailwind CSS** for utility-first styling and **Framer Motion** for smooth animations and transitions.
- Implemented **secure user authentication** and role-based access for admin panel management.
- Integrated **Nodemailer** for real-time email notifications and business inquiries.
- Enabled **image and document uploads** using **Multer**, with seamless storage and optimization through **Cloudinary**.
- Built a **dedicated admin dashboard** to manage product listings, client requests, and shipment status.
- Deployed the entire project on **Vercel** for fast, global delivery and performance.

Code Editor | [Link](#)

- **Built with Next.js** for fast performance, scalability, and server-side rendering.
- **Used Convex** for real-time backend and seamless data storage.
- **Integrated Clerk** for secure authentication, session management, and OAuth support.
- **Added Framer Motion** for smooth UI animations and interactive transitions.
- **Styled with TailwindCSS** to ensure a clean, responsive, and accessible design.
- **Integrated Piston API** to enable real-time code execution in multiple languages.
- **Users can write, run, and save code snippets** directly within the editor interface.

Real-time Chat Web- Application | [Link](#)

- A real-time chat application with authentication, real-time messaging, and user status tracking.
- Built using MERN stack (MongoDB, Express, React, Node.js) with Framer Motion for smooth UI animations.
- Implemented authentication and authorization using JWT to ensure secure user access.
- Integrated Socket.io for instant real-time messaging and live updates.
- Developed online user status tracking, allowing users to see active participants in real-time.

Space-Shooter Game| [Link](#)

- Features a dynamic menu system for seamless navigation between game modes.
- Implements real-time collision detection for accurate interactions between player ships, enemies, and projectiles.
- Tracks high scores, allowing players to compete and improve their performance.
- Integrates background music and sound effects for an authentic arcade feel.
- Designed with responsive controls for smooth and precise gameplay.

Local AI Chat App| [Link](#)

- Developed an **AI-powered chat application** that runs entirely **locally**, using **DeepSeek R1** for intelligent code and conversation assistance.
- Powered by **Ollama**, which serves the LLM on-device—providing **fast, private, and offline interactions** without external API calls.
- Ideal for developers seeking a **lightweight, secure, and self-contained AI assistant** for coding help or general queries.
- Offers an **interactive chat interface** with real-time responses, built for local use and easy deployment.

Skills

React | Framer Motion | Three js | tailwind css | Socket.io | node | Express | React-native | C | HTML | CSS | JavaScript | Convex | PL/SQL | MongoDB | GSAP | python | Manim | Pygame

Tools: Git | Github | Postman | | PowerShell | VS code | Visual Studio | Vercel | olama |

Education

Bachelor of Computer Application | 2022-2025 | Computer Science

Dean Dayal Upadhyaya Gorakhpur University