VARUN CHOUDHARY

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EXPERIENCE

Full Stack Engineer at Ignicult   **Present**

- Designing and implementing scalable, high-performance web applications for a revolutionary hyper-casual gaming platform integrating off-chain and on-chain rewards.

PROJECTS

RealTimeEditor   GITHUB   DEMO   **JAN-2025**

- **Developed a Full-Stack Collaboration** Tool**:** Designed and implemented a real-time collaboration platform **tailored** for **frontend developers and interviewers,** facilitating seamless teamwork through **live coding, design uploads**, and **real-time annotations.**
- **Integrated Live Code Editor**: Built a powerful CodeMirror-based editor, enabling real-time coding in HTML, CSS, and JavaScript with **instant live preview**.
- **Enabled Real-Time Synchronization**: Leveraged **Socket.IO** to synchronize code changes, annotations, and design uploads across multiple users, ensuring a **smooth and interactive collaboration** experience.
- **Enhanced Visual Collaboration:** Introduced the ability to **upload Figma files or design mockups,** enabling **users to visually collaborate** and provide instant **feedback using annotation** tools like a pencil or eraser.
- **Room Management:** Built features for creating and joining **collaboration rooms.**

BIGGAMEWARS   GITHUB   DEMO   **DEC 2024**

- Developed a full-stack web application using the MERN stack (MongoDB, Express.js, React.js, Node.js) to **facilitate team-based competitions for popular games** like Valorant and BGMI.
- Implemented **JWT-based** authentication for secure login and signup functionality.
- Built features for **user profile management**, **allowing users to update their usernames** and contact the admin team directly.
- **Purchased and deployed the** application on a custom domain using **GoDaddy**, ensuring a professional and reliable web presence.
- Estimated to **onboard 1,000+** active users within the first phase of its full launch, showcasing the platform's scalability and appeal to the gaming community.

VIDEOPLAYER   GITHUB   DEMO   **NOV-2024**

- Developed a video player web application using **React** for the frontend and **MongoDB** for video metadata storage.
- Implemented fully **browser-based** seamless video upload and playback functionality, **enabling users to watch videos directly in the browser without additional software.**
- Ensured **persistent** video availability by securely storing video metadata in MongoDB, allowing access even after page reloads.

EDUCATION

Netaji Subhas University of Technology   **2023-2027**

University of Engineering and Technology

- B.Tech in Electronics And Communication.

SKILLS AND TOOLS

- **Programming Languages:** JavaScript, HTML5, CSS3, C++
- **Frontend Development :** React.js (Hooks, Context API, Redux) , Tailwind CSS
- **Backend Development :** Node.js, Express.js, RESTful API
- **Database Management :** MongoDB (Mongoose)
- **Version Control and Collaboration:** Git, GitHub
- **Deployment and Hosting :** Render, Vercel , GoDaddy