

# VARUN CHOUDHARY

## CONTACT

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- [Leetcode](#)
- [PortFolio](#)
- [Github](#)

## SKILLS

- Programming Languages:**  
JavaScript, HTML5, CSS3, C++, Python
- Frontend Development :**  
React.js (Hooks, Context API, Redux) , Tailwind CSS, Motion
- Backend Development :**  
Node.js, Express.js, RESTful API, Django, Flask
- Database Management :**  
MongoDB (Mongoose)
- Version Control and Collaboration:** Git, GitHub
- Deployment and Hosting :**  
Render, Vercel , GoDaddy
- Currently Learning :**  
Solidity , web3 , devOps

## EDUCATION

**Netaji Subhas University of Technology** 2023-2027  
University of Engineering and Technology  
B.Tech in Electronics And Communication.

## EXPERIENCE

**Ignicult** APRIL 2025  
Full Stack Engineer at [Ignicult](#)

- Designing and implementing scalable, high-performance web applications for a revolutionary hyper-casual gaming platform integrating off-chain and on-chain rewards. Managing the entire development lifecycle, from design to enduser application, ensuring seamless integration of Web3 technologies(sdk).
- View The Design and Frontend - [Ignicult](#)

## PROJECTS

**[Animated-Videos-Genrator](#)** May-2025  
[GITHUB](#) [DEMO](#)

- Built a full-stack web app that transforms natural language **prompts into dynamic animations** using AI and p5.js.
- Developed a **custom p5.js sandbox** for securely executing and rendering **generated code in-browser**.
- Integrated Google Gemini (LLM) to generate executable p5.js code from user input in real time
- Architected a **Node.js + Express** backend with robust API routing and environment-based Gemini key handling.

**RealTimeEditor** JAN-2025  
[GITHUB](#) [DEMO](#)

- 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** to synchronize code changes, annotations, and design uploads across multiple users, ensuring a smooth and **interactive collaboration experience**.
- Room Management:** Built features for creating and joining collaboration rooms.

**BIGGAMEWARS** DEC 2024  
[GITHUB](#) [DEMO](#)

- 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**.
- Applied **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.
- Deployed** the application on a **custom domain** ensuring a professional and reliable web presence.
- Estimated to **onboard 1,000+ active users**

**VIDEOPLAYER** NOV-2024  
[GITHUB](#) [DEMO](#)

- A **video player web application** using React for the frontend and MongoDB for video metadata storage.
- Enforced 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**.