VARUN CHOUDHARY

CONTACT

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- Leetcode
- PortFolio
- Github

SKILLS

- **Programming Languages:**
  JavaScript, HTML5, CSS3, C++, Python,TypeScript
- **Frontend Development :**
  React.js (Hooks, Context API, Redux) , Nextjs , Tailwind CSS, Motion , Framer Motion
- **Backend Development :**
  Node.js, Express.js, RESTful API, Django, Flask , Redis , Kafka
- **Database Management :**
  MongoDB (Mongoose) , PostgreSQL
- **Tools And Others:** Git and Github Railway, Render, Vercel , AWS , DigitalOcean
- **Currently Learning :**
  Solidity , web3 , Rust , containerization

EDUCATION

Netaji Subhas University of Technology
2023-2027

University of Engineering and Technology

B.Tech in Electronics And Communication.

EXPERIENCE

Ignicult
FEB 2025-APRIL 2025

Full Stack Engineer at Ignicult

- Designed and implemented scalable web applications for a **Web3-integrated** gaming platform.
- Built two frontend pages:
- Main Platform Page: Used **Thirdweb** SDK for wallet connectivity and Web3 interactions. Integrated backend APIs for dynamic data handling.
- **Analytics Dashboard**: Displayed key metrics using **API data from the backend** to monitor platform performance

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.**