

Vivek Kumar

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PROFILE

Frontend Engineer with 2+ years of experience building high-performance, interactive web applications, including experience at BYJU'S. Skilled in **React, TypeScript**, and modern frontend architecture with a strong foundation in **performance optimization**, UI/UX, and scalable application design.

EXPERIENCE

Self-Employed

Remote

Freelance Developer

Feb, 2023 – Present

- Designed and developed scalable web applications using **React, TypeScript, Redux Toolkit, and Firebase**, focusing on performance, maintainability, and clean architecture.
- Built a production-style **E-commerce platform** with dynamic product rendering, cart management, and optimized state handling for seamless user experience.
- Developed a **ChatGPT-style AI application** with real-time conversational UI and API integration, handling async data flows and responsive rendering.
- Implemented reusable component systems and optimized rendering performance to reduce unnecessary re-renders and improve UI responsiveness.

BYJU'S

Bangalore, India

Software Engineer | Interactive UI

Jan, 2021 – Jan, 2023

- Developed and maintained **50+ interactive web-based applications** using TypeScript, focusing on performance and user experience.
- Engineered **high-performance UI systems** with complex animations and real-time state updates, optimized for low-end devices.
- Improved application efficiency by optimizing rendering logic, memory usage, and load times.
- Collaborated with cross-functional teams (designer, product, educators) to deliver intuitive and engaging user interfaces.
- Applied frontend best practices in responsiveness, accessibility, and cross-device compatibility.

EWar Games

IIT Roorkee, India

Game Developer | Intern

Jan, 2020 – Mar, 2020

- Built a 3D arcade game using C#, focusing on smooth UI/UX and gameplay experience.
- Implemented client-server communication with secure data handling.
- Worked on performance optimization and UI polish for seamless gameplay.

SKILLS

Technical: React, Javascript, Typescript, React Native, Redux, ContextAPI, React-Flux, Shadcn/ui, TailwindCSS, HTML, CSS

Tools & Tech: VS Code, Git, Github, Firebase, React-Router, Figma, Jira, Unity

EDUCATION

Indian Institute of Technology, Roorkee (IIT Roorkee)

Uttrakhand, India

Bachelor of Engineering in Chemical Engineering

2016 – 2020

ACHIEVEMENTS

- BYJU'S TechX Award - **Ownership & Accountability**, 2022