

KUSHAGRA TIWARI

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kushagra-tiwari

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Education

National Institute of Technology, Surathkal

B.Tech in Electrical and Electronics Engineering

Aug 2023 – Apr 2027

CGPA: 7.1/10

Experience

Qlue (Remote)

May 2025 – Jul 2025

React Native Developer Intern

- Built **cross-platform mobile apps** using **React Native**, ensuring consistent performance across iOS and Android.
- Implemented **real-time chat features** using **Socket.io** and **Firebase Firestore**.
- Integrated **Firebase Cloud Messaging (FCM)** for push notifications, improving user engagement.

Advista (Remote)

Jan 2025 – Feb 2025

Frontend Developer Intern

- Developed modular and responsive UI components using **React.js** and **Tailwind CSS**.
- Boosted performance by **code splitting**, **lazy loading**, and efficient routing.
- Converted designs from **Figma** into interactive, accessible web interfaces.

Projects

StreamSync

- Built a **real-time video streaming platform** using **React** and **WebRTC** for low-latency playback.
- Integrated **live chat**, **superchat donations**, and **user subscriptions** using **Socket.io**.
- Designed dynamic streaming pages and a **responsive UI** with seamless user experience.

Qlueless App

- Developed a mobile app with **real-time notifications and chat** using **Firebase Realtime DB** and **FCM**.
- Implemented **message delivery receipts**, typing indicators, and offline support in **React Native**.
- Ensured smooth performance and responsiveness across devices through component optimization.

FileForge

- Built the frontend for a cloud file-sharing platform using **React.js** and **Tailwind CSS**.
- Integrated secure **file upload, preview, and sharing APIs** with backend developed in **FastAPI**.
- Collaborated on backend infrastructure using **PostgreSQL**, **MinIO**, and token-based authentication.

Study AI

- Built a Chrome extension that activates on **YouTube video pages** and injects a custom chatbot button.
- On clicking the button, a **Gemini API-powered chatbot** appears, allowing users to ask contextual questions.
- Developed a backend using **Express.js** to securely handle Gemini API requests.

Skills

- Languages:** JavaScript, Python, C++
- Web App Development:** React.js, Next.js, Tailwind CSS, Redux, React Native
- Backend APIs:** Node.js, Express.js, REST APIs, Socket.io, Firebase
- Database:** MongoDB, PostgresSql
- Other:** WebRTC, FCM, DSA, Fundamentals of Gen AI, Basics of Computer Vision, Docker, Git

Languages

- English (Fluent), Hindi (Native)