

Kushagra Tiwari

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EDUCATION

National Institute of Technology Karnataka (NITK), Surathkal
Bachelor of Technology in Electrical and Electronics Engineering

Aug 2023 – Present
CGPA: 7.1/10

EXPERIENCE

Qlue (Remote) <i>React Native Developer</i>	May 2025 – Jul 2025
<ul style="list-style-type: none">Engineered cross-platform mobile apps using React Native with modular architecture.Implemented real-time chat with Socket.io & Firebase Firestore, achieving 99% delivery rate.Integrated FCM push notifications to boost user engagement.	

Advista (Remote) <i>Frontend Developer</i>	Jan 2025 – Feb 2025
<ul style="list-style-type: none">Built modular, responsive UI with React.js & Tailwind CSS.Optimized performance using code splitting, lazy loading, and refined routing.Transformed Figma designs into interactive interfaces with efficient state management.	

PROJECTS

Approval Orchestrator Node.js, SQLite, React, Cron Jobs, Webhooks,	Sep 2025 – Oct 2025
<ul style="list-style-type: none">Built a modern, intelligent approval workflow system transforming manual approvals into automated, auditable workflows.Implemented multi-channel notifications (Slack, Email, Web) for real-time status updates.Developed analytics dashboards powered by Recharts with process and timeline visualization.Enabled rollback system, smart routing, timeout handling, and background cron jobs for clean process automation.	
StreamSync Node.js, React.js, Express.js, MongoDB, WebRTC, Socket.io	Mar 2025 – Jul 2025
<ul style="list-style-type: none">Created a real-time video streaming platform supporting multiple concurrent streams with minimal latency.Introduced live chat, superchat donations, and subscription management.Enabled screen sharing and seamless session joining for collaboration.Enhanced scalability by refining WebRTC signaling for low-latency peer connections.	
Get Social React Native, Node.js, MongoDB, Express.js, Socket.io	Jan 2025 – Feb 2025
<ul style="list-style-type: none">Designed a social media app featuring real-time messaging, friend requests, and profile management.Applied secure authentication with JWT, role-based access, and encrypted storage.Improved MongoDB for scalability and faster queries.Implemented globally unique identifiers with UUID for distributed system consistency.	
Study AI FastAPI, Express.js, Gemini API, Chrome Extension	Jun 2025 – Jul 2025
<ul style="list-style-type: none">Developed a contextual AI chatbot for YouTube videos enabling interactive, topic-specific learning.Connected Gemini API for automatic transcript summarization and question-answer generation.Used FastAPI and Express.js microservices to process requests asynchronously with low latency.Packaged extension for Chrome Web Store with persistent in-page floating UI button for seamless access.	

TECHNICAL SKILLS

- Languages:** JavaScript, TypeScript, Python, C++, SQL
- Frontend:** React.js, Next.js, React Native, Tailwind CSS
- Backend:** Node.js, Express.js, FastAPI, RESTful APIs, Socket.io, WebRTC, Webhooks, Cron Jobs
- Databases & Storage:** MongoDB, PostgreSQL, SQLite
- Other:** Responsive UI/UX, Generative AI, Git

LANGUAGES

- English (Fluent), Hindi (Native)**