

# Vatsal Umrانيا

+91 7045780082 | vbumrania@gmail.com | vatsalumrania.vercel.app | linkedin.com/in/vatsal-umrania | github.com/VatsalUmrانيا

## Education

**K. J. Somaiya Institute of Technology, Mumbai**  
*Bachelor of Technology in Information Technology*

August 2023 – May 2027

## Relevant Coursework

DBMS, Data Structures & Algorithms, Operating Systems, Computer Networks, Computer Organization & Architecture, Theory of Computation, Cybersecurity, Computer Vision

## Technical Skills

**Languages:** JavaScript (ES6+), TypeScript, Python, SQL, Solidity  
**Web Stack:** React, Next.js (App Router), Node.js, Express.js, Tailwind, tRPC  
**Databases:** PostgreSQL, MongoDB, MySQL, Redis, Prisma  
**Cloud & DevOps:** Docker, AWS (EC2, S3), Vercel, Inngest, CI/CD  
**Concepts & Tools:** REST APIs, WebSockets, Clerk Auth, Microservices, Git/GitHub

## Experience

**Software Engineer Intern — Mass International Logistics** May 2025 – Jul 2025 | Dammam, Saudi Arabia

- Built core modules for a logistics platform, improving workflow efficiency by 30%.
- Optimized REST APIs (Node.js, Express, MySQL), cutting latency by 25%.
- Developed React dashboards that reduced manual reporting work by 30%.
- Coordinated with teams to refine requirements and ship features smoothly.

## Projects

**Blockchain Document Verification Platform** June 2025 – Sep 2025

- Built a decentralized verification platform enabling tamper-proof document validation using React and Web3.js.
- Developed and deployed Solidity smart contracts integrated with MetaMask, reducing verification time by 70%.
- Designed a scalable backend with MongoDB and optimized UI for 100+ concurrent users.

**Vibe — AI Web Application Builder** July 2025 – Oct 2025

- Developed an AI-powered platform that converts natural language prompts into deployable Next.js applications with real-time preview and a virtual file explorer.
- Engineered a secure, sandboxed remote code-execution pipeline using E2B and orchestrated durable multi-step AI workflows with Inngest for reliable long-running tasks.
- Architected a fully type-safe backend using tRPC and Prisma, integrating Clerk authentication to ensure secure, validated communication across the system.

**CollabIDE — Real-Time Collaborative Code Editor** Dec 2024 – Feb 2025

- Developed a real-time collaborative code editor with sub-200ms synchronization using Socket.IO.
- Implemented OAuth + JWT authentication and role-based access using Prisma and PostgreSQL.
- Integrated Monaco Editor with multi-language syntax highlighting and live presence indicators.

## Extracurricular & Leadership

**Society for Data Science (S4DS) — KJSIT** June 2024 – Present

- Assisted in organizing technical workshops and data-science community events.
- Supported coordination and execution of student learning initiatives.