

Dhruv Kumar

kumar.dhruv14890@gmail.com | (+91) 7488487969

 @/KumarDhruv45

 /dhruv-kumar45/

SKILLS

Programming Languages: Java, Python, C++ (familiar)

Systems & Networking: Linux/Unix, TCP/IP, HTTP, Network Security, IAM

Distributed Systems: REST APIs, WebSocket, Firebase, AWS (EC2, S3, Lambda)

Problem Solving: 350Leet Code problems solved; strong grasp of Graphs, Trees, Greedy, DP

Full-Stack Development: React.js, Node.js, Express.js, MongoDB, MySQL, HTML/CSS/JS

Tools & Platforms: Git, Docker, Postman, VS Code

EDUCATION

❖ VIT Bhopal University | CSE

CGPA: 7.58 | (12-04-25)

❖ XII (CBSE) | Co-Operative Public School

84.4% | 2021

PROJECTS

❖ Real-Time Video Conferencing Platform

React.js, Node.js, WebRTC, Socket.io, HTML/CSS

Developed a feature-rich **video communication platform** enabling **multi-user video calls**, **screen sharing**, and **instant messaging**. Implemented **peer-to-peer media streaming** with **WebRTC** and custom **signaling via Socket.io**. Designed a responsive **UI** with **React.js** and managed **session control**, user states, and media toggles on the **Node.js** backend.

❖ Emergency Medical Response System

React.js, Node.js, MongoDB, Firebase, Push API

Engineered a **real-time medical assistance platform** to **streamline accident response**. Captures and **forwards patient data to authorized hospitals** and **law enforcement for immediate investigation**, while simultaneously **sending push notifications to family members**. Integrated **user authentication**, **dynamic dashboards**, and **secure data flow** to **improve emergency coordination** and **reduce critical response times**.

ACHIEVEMENTS

❖ **CBIT Hacktoberfest Hackathon 2024:** Ranked in the **Top 10 out of 300+ teams**; awarded **Standout Appreciation for innovative project execution**.

❖ **Tata Cybersecurity Job Simulation (Forage):** Completed a hands-on simulation focused on **Identity and Access Management (IAM)**, delivering technical documentation and executive presentations.

❖ **Tata Data Visualization Job Simulation (Forage):** Designed data dashboards and presented client-centered insights to **drive strategic business decisions**.