

# GOPAL CHOUHAN

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## PROFILE

Final-year B.Tech IT student specializing in **Full Stack Web Development** with hands-on experience in building **scalable, real-time, and AI-integrated applications**. Proven ability to design end-to-end solutions using **React, Node.js, MongoDB, WebRTC, and OpenAI APIs**. Actively seeking a **Full Stack Developer Internship** where I can contribute to real-world products and grow into a full-time role.

## EDUCATION

- Indore Institute of Science and Technology, Indore
  - B.Tech – Information Technology | 2022 – 2026

## Technical Skills

**Programming Languages:** JavaScript , Java  
**Backend & Frameworks:** Node.js, Express.js, REST APIs  
**Frontend & Frameworks:** React.js, WebRTC, Socket.IO  
**Cloud & DevOps:** AWS (EC2, S3 , Cloudfront) , Basic CI/CD  
**AI & ML Integration:** OpenAI API, TensorFlow.js  
**Tools & Platforms:** GitHub, Postman, VS Code, Linux (Basic)

## PROJECTS

**Udaan – AI-Powered Career Guidance Platform (MERN + AI)** [Live](#) / [Code](#)

- Built a full-stack AI platform offering **career guidance, emotional support, and personalized learning roadmaps** for students.
- Integrated an **AI chatbot and mood-tracking system** to support mental well-being and student engagement.
- Deployed on **AWS with CI/CD using GitHub Actions**, ensuring scalable and automated production releases.

**Tech Stack:** React.js, Node.js, Express.js, MongoDB, AWS, GitHub Actions, AI APIs

## Smart OPD – Real-Time Doctor-Patient Queue & Consultation System [Live / Code](#)

- Designed end-to-end appointment booking, doctor dashboard, and admin controls with live patient queues.
- Integrated role-based authentication for Admin, Doctor, and Patient portals.
- Implemented Socket.IO for real-time updates of doctor availability, patient queue shifts, and consultation status.
- Developed logic for consultation duration tracking, rescheduling, emergency patient handling, and dynamic availability toggles.

**Tech:** Node.js, Express.js, MongoDB, REST APIs, Socket.IO, JWT Auth

## ApnaVideoMeet – Real-Time Video Conferencing System [Live / Code](#)

- Developed a real-time communication system using peer-to-peer architecture.
- Implemented backend signaling logic for session creation and user coordination.
- Handled real-time events, message routing, and connection lifecycle management.
- Focused on system reliability and low-latency communication.

**Tech:** WebRTC, Socket.IO, React.js, Node.js

## CERTIFICATIONS

- Full Stack Web Development (MERN) — Apna College
- Java + DSA — Apna College
- AWS Cloud Foundations — AWS Academy
- SQL & Database Management — IBM

## EXTRACURRICULAR ACTIVITIES

- Hackathon Participant (2023): Built a smart Vendor service website in 24 hours