Ankul Raja Patel

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Gwalior, India

EDUCATION

Indian Institute of Information Technology and Management	Gwalior, M.P.
*Bachelor of Technology in Information Technology; CGPA: **8.15/10.00***	*Sep 2022 – Jun 2026*
Jawahar Navodaya Vidyalayas	Mau, Shahdol, M.P.
*Higher Secondary School; Percentage: **90.8%***	*Aug 2019 – Jun 2021*

SKILLS

- **Programming & Algorithms**: C, **C++**, JavaScript, Python, Data Structures And Algorithm
- **Core Subjects**: Object-Oriented Programming (OOPS), Operating Systems (OS), DBMS
- **Frontend**: HTML, CSS, React.js, Next.js, TailwindCSS, Bootstrap, Material UI
- **Backend**: Node.js, Express.js, TypeScript, REST APIs, Authentication (OAuth, JWT)
- **Clouds & Databases**: MongoDB, MySql, AWS, Vercel, Render, Cloudinary
- **Tools**: Git, GitHub, Postman, MongoDB Atlas, VS Code, Cursor, Vapi

EXPERIENCE

Full Stack Intern - YAHWEH — Jun 2024 – Oct 2024
- Engaged in mentorship sessions and **Agile Scrum** meetings, gaining feedback that improved collaboration and led to **15% faster code** implementations.
- Implemented a scalable authentication system that **supported 1,000+ concurrent users**, and restructured MongoDB queries, **reducing database latency by 40% in live** environments.

Executive Member - Student Gyan Movement (SGM - CLUB) — Jan 2023 – July 2025
- Coordinated a peer mentorship program for over **50+ junior students**, providing academic support and fostering a collaborative learning environment.
- Managed the club's official communication channels, including social media and email newsletters, increasing student engagement and outreach to over **500+ members**.

PROJECTS

MockIQ – AI-Powered Interview Platform
- Developed an AI web app with **Next.js, TypeScript, & OpenAI GPT-4** to simulate technical interviews.
- Engineered an automated scoring system with 5 metrics, boosting user readiness for assessments by 60%.
- Integrated **Firebase Auth/Admin SDK** for secure session management for 200+ concurrent users.

Study Notion – Full-Stack E-Learning Platform
- Architected a scalable **MERN-stack** e-learning site with multi-role access (admin, instructor, student).
- Optimized backend performance by **30%** via server-side caching and modular REST API design.

Airline Management System – Full-Stack Booking Platform
- Built a scalable flight booking system using **MERN-stack** to manage real-time ticketing.
- Engineered secure REST APIs with **JWT-based authentication** to ensure protected access to user data.
- Reduced API response time by **40%** by refactoring database queries with indexing and schema tuning.

Youtube Layer – MERN-Stack Video Collaboration Tool
- Built a cloud-native tool for YouTubers to streamline video production and collaboration workflows.
- Implemented secure authentication and authorization using **OAuth 2.0 and JWT**.

ACHIEVEMENTS

- **LeetCode Knight** (Peak Rating: 1888)
- **CodeChef 3-Star Coder**
- **Codeforces Specialist** (Max Rating: 1491)
- Solved over **1000+ problems** on Data Structures and Algorithms
- Awarded **Silver Medal** in the Under-17 Kabaddi Championship (Division Level).