

# KARTIK PAL

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[LinkedIn](#)

[GitHub](#)

[Portfolio](#)

## Education

### Indian Institute of Information Technology, Gwalior

5-year Integrated Post Graduate (B.Tech + M.Tech) in Information Technology

Jul. 2023 – May 2028

Gwalior, MP, India

### D.A.V Public School Rajender Nagar Sahibabad

CBSE Class XII — 92.8%

May 2023

Ghaziabad, UP, India

### D.A.V Public School Rajender Nagar Sahibabad

CBSE Class X — 90.8%

May 2021

Ghaziabad, UP, India

## Relevant Coursework

**Core Computer Science:** Data Structures, Algorithms Analysis, Operating Systems, Computer Networks

**Software Development:** Object-Oriented Programming, Software Engineering, Database Management

**Emerging Technologies:** Machine Learning, Artificial Intelligence

## Programming Skills

**Languages:** C, C++, Java, JavaScript, TypeScript, Python, HTML, CSS, SQL

**Web Technologies:** React.js, Next.js, Node.js, Express.js, Spring Boot, REST API, Tailwind CSS, Bootstrap

**Database Systems:** MongoDB, PostgreSQL, MySQL

**Tools & Platforms:** Git, Linux, GitHub, Postman, Figma, AutoCAD, LaTeX

## Projects

### InterviewGPT – AI Interview Platform | *ReactJs, NodeJs, MongoDB* | [🔗](#) | [📄](#)

Jul. 2024

- Developed a full-stack AI-powered mock interview platform using **MERN** stack with **resume-based question generation**.
- Implemented **real-time voice interviews** with speech-to-text and text-to-speech capabilities for seamless interaction.
- Integrated **cheating detection** using **MediaPipe Face Detection** and tab switch monitoring to ensure interview integrity.
- Built comprehensive dashboard displaying interview scores, personalized feedback, and weak point analysis for improvement.
- Utilized **OpenRouter** AI APIs for intelligent question generation and evaluation, supporting **500+** concurrent users.

### Personal Portfolio Website | *React, Tailwind CSS, Web Speech API* | [🔗](#) | [📄](#)

Jun. 2024

- Built a fully responsive personal portfolio using **React** and **Tailwind CSS**, deployed on **Vercel**.
- Showcased key projects, resume, skills, and contact form with smooth UI/UX and mobile-first design principles.
- Integrated **voice-interactive introduction** using the **Web Speech API**, enhancing accessibility.
- Implemented dark/light mode toggle and optimized performance for better user experience.

## Positions of Responsibility

### Content Head

2025

Inter IIIT Sports 2025

IIIT Gwalior, MP

- Managed content creation and social media presence for Inter IIIT Sports 2025 event.
- Coordinated with multiple teams to ensure consistent messaging and branding across all platforms.

### Member

Present

Dramatics Club

IIIT Gwalior, MP

- Active participant in college drama productions and cultural events.
- Contributed to scriptwriting, acting, and event organization for college cultural festivals.

## Achievements

- 98.89** Percentile in JEE Mains 2023
- Solved over **300+** Data Structures and Algorithms problems across various platforms

## Extracurricular Activities

- Dramatics Club Member** - Active participant in college drama productions and cultural performances
- Cultural Events** - Contributed to scriptwriting, acting, and event organization during college festivals