

Kartik Rawat

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B.Tech Computer Science Engineering student specializing in **Education Technology** with hands-on experience in C++, Java, Python, C, React, HTML, CSS, and JavaScript. Experienced in building full-stack applications, machine learning-based systems, and real-time AI solutions with a strong foundation in educational systems research.

EDUCATION

2024 – 2028	VIT Bhopal University , Madhya Pradesh	B.Tech in Computer Science and Engineering	CGPA: 9.75/10
2024	Government Model School , Chanderi, Ashoknagar	Class XII	95.6%
2022	Government Model School , Chanderi, Ashoknagar	Class X	95.4%

WORK EXPERIENCE & PROJECTS

Software & Machine Learning Developer	Self-Driven Projects	Aug 2025	Oct 2025
• Developed a full-stack real-time content generation system with smart doubt-solving and focus enhancement features.	• Implemented backend APIs for real-time practice sessions, performance tracking, and leaderboards.	• Integrated ML features using OpenCV, TensorFlow, face detection, and voice detection libraries.	
Backend & Extension Developer	Educational Platforms	Dec 2025	
• Built a full-stack student LeetCode solver and interview simulator for guided learning.	• Developed Node.js backend with REST APIs and integrated Web Speech API.	• Enabled real-time voice interaction via browser extensions and backend communication.	
Research Experience	AI in Education	Oct 2025	Dec 2025
• Conducted research on AI-driven personalized learning systems.	• Reviewed research articles and journal papers on intelligent tutoring systems and learning analytics.	• Applied research insights to design scalable, data-driven educational platforms.	

ACHIEVEMENTS

• District Topper (Ashoknagar) in Higher Secondary Education; honored by the Chief Minister and District Collector.
• Solved 400+ DSA problems across LeetCode and GeeksforGeeks; earned 5 in C++ on HackerRank .
• Admitted under the prestigious STAR Student Category at VIT Bhopal.
• Solved 230+ DSA problems on CodeChef using C++.

SKILLS & CERTIFICATIONS

Technical	C++, Java, Python, C, Data Structures & Algorithms, Machine Learning (Basic)
Web	React, HTML, CSS, JavaScript
Tools	Git, GitHub, Firebase, SQL (Basic), OpenCV, TensorFlow, MATLAB
Soft Skills	Problem-solving, Teamwork, Communication, Adaptability, Quick Learner
Certifications	NPTEL (Generative AI), Applied Machine Learning in Python (Coursera), Fundamentals of AI & ML