

NITIN KUMAR

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LinkedIn

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Education

VIT Bhopal University

September 2022 – May 2026

Bachelor of Technology in Computer Science and Engineering

CGPA -8.78

Technical Skills

Programming Languages: Java, JavaScript, SQL, HTML, CSS

Frameworks & Libraries: React.js, Node.js, Express.js, Spring Boot

Databases & Cloud: MongoDB, MySQL, AWS

Visualization & BI Tools: Tableau, Power BI, Excel, Google Analytics

Projects

VChat - Real Time Chatting Platform | React.js, Spring Boot, WebSockets, STOMP, Thymeleaf

2025

- Engineered full-stack real time chatting platform serving 30+ users using WebSocket with anonymous real-time chatting system.
- Built responsive Thymeleaf-based frontend integrated with Spring Boot MVC, accelerating Chatting process for most active users.
- Deployed a Spring Boot application with a Thymeleaf-based frontend, supporting 10+ daily active users with a 99.8% success rate.
- Implemented automated email and SMS notifications using Spring Boot-based messaging services, improving user engagement by 25

VShare - File Sharing Application | React.js, MongoDB, Node.js, Next.js

2025

- Developed full-stack file sharing application handling real time 3 secure options file upload, download, sharing via real time access links.
- Built a responsive React dashboard for file upload, download, and link-based sharing, supporting 50+ daily file transfers with high reliability.
- Configured secure MongoDB database with role-based access control, supporting 50+ concurrent users.
- Designed and developed a responsive and intuitive user interface using React.js, ensuring smooth navigation and consistent layout across devices.

Audio-to-Text Transcription Application | React.js, Spring Boot, OpenAI API, MongoDB

2025

- Launched a real-time audio-to-text transcription platform using Socket.io, enabling continuous speech capture and instant transcription updates while supporting 50+ concurrent users with high accuracy.
- Implemented Socket.io for real-time audio streaming and transcription updates, achieving sub-50ms latency for live speech-to-text conversion.
- Analyzed transcription performance metrics, achieving up to 30% improvement in transcription accuracy for 80% of users over a 4-week usage period.
- Designed a responsive audio-to-text interface with live transcription progress and real-time visual feedback, achieving an 85% user retention rate across sessions.

Achievements

Certifications: Oracle MySQL Implementation Associate, HackerRank MySQL (Intermediate)

Programming: Solved 250+ DSA problems on LeetCode

Leadership: Led a team of 5 members in EPICS (Engineering Projects in Community Service) project, delivering impactful community solutions

NDA: Qualified for NDA,NAVY,AIRFORCE, Cleared many other competitive exams

Extracurricular Activities

Boxing - Won Bronze medal in inter-regional boxing championship organised by KV Sangathan.

Core Member - Pi Mathematics Club, contributed to well being and many other events, projects and organized workshops (2023-2025)

Volunteer - NSS (National Service Scheme), participated in community service initiatives (2023-2024)