

# NITIN KUMAR

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## Education

### VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering

September 2022 – May 2026

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)