

# 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, SQL, JavaScript, HTML, CSS

**Frameworks & Libraries:** React.js, Node.js, Express.js

**Databases & Cloud:** MongoDB, MySQL, AWS

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

## Projects

### Real-Time Chat Application — | *Spring Boot, WebSockets, STOMP, Thymeleaf, HTML, CSS*

2025

- Engineered a full-stack real-time chat application supporting instant bi-directional messaging using Spring Boot WebSocket and STOMP protocol.
- Designed responsive user interfaces using Thymeleaf, HTML, CSS, Bootstrap, and ES6 JavaScript for seamless user interaction.
- Integrated SockJS and STOMP.js to ensure WebSocket fallback support and cross-browser compatibility.
- Managed project builds and dependencies using Maven, ensuring maintainable and modular application structure.

### File Sharing Application | *React.js, Node.js, MongoDB, Next.js*

2025

- Developed a full-stack file sharing application enabling secure file upload, download, and sharing via real-time access links.
- Implemented core features including file upload, file download, and link-based sharing with controlled access.
- Configured and integrated MongoDB as the primary database to store and manage application data efficiently, supporting 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*

2025

- Developed a full-stack audio-to-text application enabling real-time and batch transcription of audio files using OpenAI Speech-to-Text APIs
- Built RESTful backend services with Spring Boot to handle audio upload, transcription requests, and secure API communication.
- Designed a responsive and intuitive frontend using React.js, allowing users to upload audio files and view transcribed text in real time.
- Implemented efficient request handling and error management to ensure reliable transcription and improved user experience.
- Ensured scalable and modular architecture by integrating Spring Web and managing dependencies via Maven.

## Achievements

**Certifications:** Oracle Java Foundation Associate, HackerRank Java(Basic), 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)

**Interests:** Defense Services, Leetcode, Outdoor Sports, Tech news reading, Music, Photography