

# NIKHIL GARG

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## Summary

Results-driven MCA student and full-stack developer with expertise in MERN stack and TypeScript. Demonstrated ability to architect and deploy scalable web applications, including a real-time code compiler and appointment management system. Strong foundation in data structures and algorithms with 500+ solved problems. Passionate about creating efficient, user-centric solutions with focus on performance optimization and secure implementations.

## TECHNICAL SKILLS

**Languages:** JavaScript, Typescript, C++, C  
**Frontend:** React, TypeScript, Redux Toolkit, Material-UI, Tailwind CSS  
**Backend:** Node.js, Express.js, REST APIs  
**Databases:** MongoDB, MySQL, Firebase  
**Tools & Others:** Git, GitHub, CodeMirror, JWT Authentication

## Education

<b>National Institute Of Technology, Raipur</b> <i>Master of Computer Applications</i>	<b>07/2022 – 06/2025</b> CGPA:7.82
<b>Punjab Technical University, Mohali, Punjab</b> <i>Bachelor of Computer Applications</i>	<b>09/2019 – 05/2022</b> CGPA:8.77

## Project Work

**WD Compiler** | [GitHub Link](#) | [Live](#) (08/2024–10/2024)

**Tech Stack:** MERN Stack, TypeScript, Redux Toolkit

- Architected full-stack online IDE with real-time compilation and syntax highlighting.
- Implemented secure user authentication with JWT tokens and protected routes, enabling personalized workspaces with features like code saving, sharing, and profile management.
- Engineered efficient state management using RTK Query for API caching and real-time updates.

**AppointEase** | [GitHub Link](#) (04/2024–07/2024)

**Tech Stack:** ReactJS, Node.js, MongoDB

- Developed end-to-end appointment scheduling system reducing booking time by 60%
- Implemented role-based authentication system handling 3 user types (Admin/Doctor/Patient)
- Optimized database queries resulting in 45% faster appointment retrieval

**E-Bharat** | [GitHub Link](#) (09/2023–11/2023)

**Tech Stack:** React.js, Firebase, Redux, Payment Gateway Integration

- Created an e-commerce platform with real-time product management and user authentication.
- Built an admin dashboard for order tracking and user activity monitoring.
- Real-time data synchronization using Firebase, offering a competitive advantage in user experience and operational efficiency.

## Achievements & Certifications

- Solved **500+ coding problems** on LeetCode and GeeksforGeeks.
- Hackathon Success: **Top 50** finalist among 3,500+ teams in HackOverflow 3.0. [\[Link\]](#)
- Secured **1st Prize** in Nukkad Natak and PPT Presentation competitions. [\[Link\]](#)
- Ranked **AIR 554** in NIMCET-2022.
- **4-star SQL rating** and **SQL Basic Certificate** on HackerRank. [\[Link\]](#)