

Nagender Singh

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EDUCATION

National Institute of Technology Karnataka, Surathkal

Masters of Computer Applications CGPA: 9.34

Surathkal, Karnataka

Aug. 2024 – Jul. 2027

Indira Gandhi National Open University

Bachelors of Computer Application 1st Division

New Delhi, India

Aug. 2021 – Jul. 2024

Raghubir Singh Modern School

Class 12th: 83% — Class 10th: 92.6%

New Delhi, India

Jul. 2021

TECHNICAL SKILLS

Languages: C/C++, Python, SQL, JavaScript, HTML/CSS

Web Development: MERN Stack (MongoDB, Express, React, Node.js), Redux Toolkit, Socket.io

Developer Tools: Git, GitHub, VS Code

Coursework: Data Structures & Algorithms, Database Management Systems, Operating Systems, Object-Oriented Programming

PROJECTS

LearnFeed | *Full Stack CRUD WebApp* | *React, Redux, Node.js, Express, MongoDB*

[Live Demo](#) [Frontend Repo](#) [Backend Repo](#)

- Built a content-sharing platform for posting images and science/tech facts during a 3-day hackathon
- Implemented secure JWT-based authentication with encrypted login
- Developed features like user profiles with avatar uploads, and follow/unfollow system for social interaction
- Optimized performance with intersection observer-based pagination, reducing post load times by 60%

NITK Hostels Website | *Team Project* | *MERN* | *Ongoing*

- Working with a team of 4 to build a hostel management portal for staff and residents across 10 hostels
- Implemented an Admin Dashboard for real-time CRUD operations on residents, staff, and announcements
- Designed intuitive interfaces for wardens to post events, notices, and manage hostel details easily
- Contributing to sprint planning and code reviews to ensure smooth development and maintain code quality

Rankaroo | *Real-Time Ranking Game* | *MERN, Socket.IO*

- Built a multiplayer game where friends join rooms and rank prompts (items or events) in real time
- Leveraged Socket.IO for bidirectional communication to sync rankings and room state across clients
- Computed round scores by averaging all submissions and awarding points to the player nearest the mean
- Designed an intuitive UI and interactive feedback loop to display live leaderboards and round summaries

ACHIEVEMENTS

- Qualified for IICPC CodeFest 2025 Regionals
- Ranked in the top 1% globally on LeetCode in contest rating, with 1200+ problems solved
- Secured All India Rank 94 in the MCA entrance exam NIMCET

COMPETITIVE PROGRAMMING

Codeforces: Expert (1765* Rating)

LeetCode: Top 1% (2214* Rating)

CodeChef: 4-Star (1981* Rating)

CO-CURRICULAR

Web Club NITK - Algorithms SIG Member

- Built and tested competitive programming problems for local contests with a focus on quality and originality
- Worked in sync with SIG members to validate problems and optimize test case coverage