

# Madhav Dhingra

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## EDUCATION

**National Institute of Technology Karnataka, Surathkal**

*B.Tech in Information Techonology*

**November 2022 - Present**

*CGPA-9.25(May 2024)*

## PROJECTS

**Ubuntu-MySpace** 🐙 | *ReactJS, Firebase, Firestore, Google Cloud*

**March 2024 - May 2024**

- Developed a website which provides the feel of using Ubuntu on the web.
- Created a task manager, notes manager, a file explorer for uploading and maintaining files (files are stored in Google Cloud storage), a simple terminal like window and a game.
- Ensured secure user authentication and efficient data management with Firebase Auth and Firestore.

**NITKconnect** 🐙 | *NodeJS, ReactJS, Express, Socket.io, MongoDB*

**Oct 2023 - Dec 2023**

- Utilized modern web technologies including React, Node.js, and Socket.io to create a feature-rich chat platform enabling seamless real-time communication.
- Designed a robust authentication system using JWT for secure login and registration processes, enhancing user data protection.
- Implemented functionalities such as user search, online status indicators, and real-time messaging to improve user engagement and interaction.

**CF Analytics** 🐙 | *HTML, CSS, Javascript, Chart JS*

**April 2023 - June 2023**

- Developed CF Analytics, a web application using HTML, CSS, and JavaScript, integrating the Codeforces API.
- Implemented dynamic charts and tables with Chart.js to showcase comprehensive statistics, including question difficulty, topic distribution, unsolved questions, submission heatmap, and contests performance.
- Enhanced user experience by enabling side-by-side Codeforces handle comparisons, facilitating data-driven performance analysis for competitive programmers.

## TECHNICAL SKILLS

**Languages:** C++, C, HTML/CSS, Javascript, MySQL

**Frameworks:** React, Express, NodeJS

**Developer Tools:** VS Code, Git, GitHub, Postman, MongoDB, Firebase, Firestore, Google Cloud

## ACHIEVEMENTS

### Competitive Programming

- Expert on Codeforces(Max Rating : 1808) [v1p3r\\_jr](#)
- 4\* Coder on Codechef(Max Rating : 1990) [madhav1608](#)
- Ranked 114 globally among 40000+ participants in Codeforces #946.
- Ranked 24 globally among 15000 participants in CodeChef Starters 141.
- Winner of CP League organised by WEC NITK among 100+ participants.

### JEE Mains

- 99.70 Percentile and secured AIR 2793 out of 1 Million+ candidates.

### Capture the Flag

- Winner of IEEE Eureka CTF Event among 30+ teams.

## LEADERSHIP/EXTRACURRICULAR

### IEEE Compsoc, NITK

**Jan 2023 - Present**

*Executive Member*

*Surathkal, India*

- Executive member at IEEE (Institute of Electrical and Electronics Engineers), one of the technical clubs at NITK, involved in working on projects and organising events throughout the year.
- Mentored and led a team of 8+ juniors to create a Web Development Project.
- Mentored college club members in competitive programming during a Summer Mentorship Program.

### Web Enthusiast's Club, NITK

**Sep 2023 - Present**

*Algorithms SIG*

*Surathkal, India*

- Coordinated a series of 5 sessions for competitive programming beginners attended by 40+ students on average.
- Personally held a knowledge sharing session on "Introduction to CP" for the series mentioned above.