

# ANURAG SINGH THAKUR

Final Year Undergraduate at NIT Raipur

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## EDUCATION

National Institute of Technology, Raipur

B.Tech- Computer Science and Engineering

2021 – 2025

Raipur, India

## TECHNICAL SKILLS

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

**Technologies and Frameworks:** React, Node.js, Express.js, Tailwind CSS, RESTful APIs.

**Databases:** MongoDB

**Coursework:** Data Structures and Algorithms, Object Oriented Programming, Operating System, Database Management System, System Design (Beginner).

**Tools and Others:** VSCode, Git, Postman.

## PROJECTS

QuietCenter 🔗 |

React, Node.js, MongoDB, Express

- Developed a comprehensive **web app** for mental well-being featuring **motivational content, community sharing, soothing music, and educational resources** to enhance user engagement and growth
- Created a dynamic music module with **playback controls, playlist management, visual effects, YouTube link customization**, and over **50 curated songs**, enhancing user experience with a serene background.
- Built a **Node.js** and **Express backend** for efficient data and **API management**, integrating **MongoDB** for robust database handling of user-generated content and app data
- Designed and wired multiple pages with **React Router**, ensuring seamless navigation and user engagement

CodeSync (RealTime Code Editor) 🔗 |

ReactJs, Socket.IO, NodeJs, Express

- Implemented a collaborative feature allowing multiple users to code together in real-time
- Frontend with **React**, backend with **Node.js** and **Express.js**, and WebSockets with **Socket.io**.
- Enabled **concurrent multi-user interactions** for real-time evaluation of interview performance and real-life problem-solving

Network Anomaly Detector 🔗 |

Python, SciKit Learn, Pandas, Matplotlib, Wireshark

- Built this project at **Tech Future Hackathon 2024, IIT Delhi**, Successfully identified and mitigated network anomalies
- Integrated **Wireshark** for live packet analysis to identify irregular network traffic patterns, mitigating potential cyber threats by **20-30 percent**. Implemented **Machine Learning Algorithms** for anomaly detection, achieving **97 percent accuracy**
- Trained model on **CICIDS 2017** dataset for accuracy in identifying network anomalies, balanced the dataset using **KNN imputation**

## CODING PROFILES

- **CodeForces: Pupil** (Max Rating: **1328**) 🔗.
- **LeetCode: Max Rating(1705)** 🔗.

## ACHIEVEMENTS

- Global Rank 201 - **CodeChef** Starters 73 Division 4 among **16k+** participants.
- Global Rank 695 - **Leetcode** Biweekly 121 Contest among **26k+** participants.
- Global Rank 2581- **Codeforces** Round 912 (Div. 2) among **20k+** participants.
- Selected in the **TOP 10 Teams All-Over India** at **Finals of Tech.Future Hackathon 2.0 — FITT, IIT Delhi**.
- Cleared **Regional Mathematics Olympiad (RMO)** in 2018.

## CERTIFICATIONS

- **HackerRank - SQL Advanced Certification** 🔗.

## Positions of Responsibility

- Head Coordinator **Entrepreneurship Cell, NIT Raipur**  
Managed **E-Summit 2023**, attracting **2,000+** attendees and securing **20+** renowned speakers