

# ANURAG SINGH THAKUR

Final Year Undergraduate at NIT Raipur

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## EDUCATION

National Institute of Technology, Raipur

2021 – 2025

B.Tech- Computer Science and Engineering (CPI- 7.02(Till 6th Sem))

Raipur, India

## TECHNICAL SKILLS

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

**Technologies and Frameworks:** React, Node.js, Express.js, Tailwind CSS, RESTful APIs, 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 and **React Router** for 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 identifying and mitigating 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 by training the model on the **CICIDS 2017** dataset and balancing it using **KNN imputation**.

## WORK EXPERIENCE

iNeuron (Remote) 🔗 |

Web Developer Intern (July'23 - Sept'23)

- API Integration:** Integrated *OpenWeatherMap*, *WeatherAPI*, and *Climacell APIs* using a **global JavaScript class**, improving data accuracy by 30%.
- Features:** Added air quality, UV index, and 7-day forecasts; implemented custom alerts, increasing user engagement by 25%.

## CODING PROFILES

**CodeForces: Pupil** (Max Rating: **1336**) 🔗.

**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**.
- Selected in the **top 500** teams out of over **20k** teams (**55k+** students) across **India** at **Adobe GenSolve Hackathon 2024**.
- Cleared **Regional Mathematics Olympiad (RMO)** in 2018.

## Positions of Responsibility

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