

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, Redux, Node.js, Express.js, Tailwind CSS, RESTful APIs.

Databases: MongoDB, PostgreSQL, MySQL.

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

- Designed and developed a comprehensive web application promoting mental well-being, integrating motivational content, community sharing, soothing music, and educational resources to support user engagement and personal growth
- Engineered a dynamic music section within the web application, incorporating playback controls, playlist management, and visually captivating effects.
- Enhanced user experience with a serene background and a curated selection of over **50 songs, providing the option to customize with personal favorites via YouTube links..**
- Built a **Node.js and Express backend for efficient data management, API handling, and integration with MongoDB for robust database management of user-generated content and app data..**
- Designed and integrated multiple pages with **React Router, ensuring seamless navigation and user engagement**

CodeSync (RealTime Code Editor) 🗄️ |

HTML, CSS, ReactJs and NodeJs

- Implemented a collaborative feature allowing multiple users to code together in real-time
- Built a dynamic environment that allows interviewers to assess candidates' problem-solving abilities and coding proficiency as they write code. This real-time evaluation enhances the accuracy of technical assessments.

Network Anomaly Detector 🗄️ |

Python, SKlearn, Pandas and Wireshark

- Built this project at **Tech Future Hackathon, IIT Delhi, Successfully identified and mitigated network anomalies**
- Integrated WireShark software to conduct live packet analysis, enabling the identification of irregular network traffic patterns; mitigated potential cyber threats, which can decrease threats in security incidents by 20-30 percents—Implemented a Deep Neural Network model for advanced anomaly detection, enhancing the system's ability to recognize and respond to security threats and achieved accuracy of 92 percent in our trained model
- Trained the model using the CICDS dataset, a comprehensive data source, to enhance accuracy and effectiveness in identifying diverse network anomalies.

CODING PROFILES

- CodeForces: Max Rating(1189) 🗄️.
- LeetCode: Max Rating(1705) 🗄️.

ACHIEVEMENTS

- Global Rank 356 - CodeChef Starters 72 Division 4 among 15k+ 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.

Positions of Responsibility

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