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   *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**

- 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
- Developed a dynamic music module with playback controls, playlist management, visual effects, and YouTube link customization, enhancing user experience with a serene background and over 50 curated songs .
- 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 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 a Deep Neural Network model for advanced anomaly detection, achieving 92 percent accuracy, which significantly enhanced the system's ability to recognize and respond to security threats
- Trained the model using the CICDS 2017 dataset, a comprehensive data source, to enhance accuracy and effectiveness in identi fying diverse network anomalies.

CODING PROFILES

- CodeForces: **Pupil** (Max Rating: 1236) ☒.
- 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.

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