YUVRAJ TIWARY

Jamshedpur, Jharkhand

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Education

Birla Institute of Technology, Mesra	**Nov 2022 – Present**
Bachelor of Technology (Electronics and Communication Engineering) CGPA-7.51 (Till 4th Sem)	*Ranchi, Jharkhand*

Technical Skills

Languages: C, C++, Python
Web Development: HTML, CSS, Javascript, ReactJS, Tailwind CSS, NodeJS
Developer Tools: Git, GitHub, VS Code, CLion, Latex
Coursework: Data Structures, Operating Systems, Database Management System, Object-Oriented Programming
Competitive Programming: Leetcode (2042), Codechef (2034), Atcoder (551)

Projects

Big Bull AI   — **Link** — **GitHub**
- Worked for development of ML Model of Big Bull AI.
- **Regression Algorithm** was instilled ensuring groundbreaking performance leap (faster contrary to other algorithms) under which different ML models was triggered for every prediction.
- Engineered **4** different ML models delivering unparalleled accuracies : Simple Linear Regression (**99.84932%**), Support Vector Regression (**97.99364%**), Decision Tree Regression (**99.73466%**), Random Forest Regression (**99.79437%**). Solved technical inquiries and bugs round the clock resulting in an increase of online engagement and more accuracy.

Dechat   — **Link** — **GitHub**
- Implemented **Gun.Js** for real time data synchronization across multiple devices or nodes in a peer to peer network ensuring **100%** anonymity on chat applications, fostering smoother communication and idea sharing.
- Engineered the system that allows users to sign up, log in, send, and receive messages in real-time delivering **decentralized chat experience** for each collaborative session, ensuring **100%** secure and dedicated access for users.
- Employed **Svelte framework** to facilitate seamless communication and data synchronization of several nodes among multiple users in real-time.

Yuvraj Tube   — **Link** — **GitHub**
- Developed a full-stack web application for scrolling short videos, increasing user engagement and reaching **10,000+** active users in **3** months.
- Designed a responsive web application for mobile and laptop devices, increasing mobile user adoption and overall user satisfaction.
- Utilized YouTube API to reduce content loading time and increase user retention.

Achievements

- **1st Rank** in Code Joust 2024 among **100+ teams** conducted by IEEE & IET Student Branch-BIT Mesra.
- Global Rank of **26** in Codechef Starters 136 (Div 2) contest of Codechef among **12,000+** participants.
- Secured Global Rank of **35** among **10,000+** contestants in Codechef Starters 139 (Div 2).
- Global Rank of **492** in Leetcode Biweekly Contest 133 of Leetcode among **30,000+** contestants.
- **5 stars** at Codechef, Max Rated - 2034.
- Solved **500+ coding questions** on Codechef.

Leadership

IEEE STUDENT BRANCH - BIT MESRA	**April 2023 – Present**
General Secretary	

- Organized and led various technical workshops involving **200+** students.
- Coordinated with industry professionals for guest lectures and seminars.

ACM STUDENT BRANCH - BIT MESRA	**March 2024 – Present**
Technical Head	

- Organized and conducted **C++** workshop for over **400+** students.
- Authored questions in recruitment contest which saw participation of **500+** students.