

Anuj Arora

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EDUCATION

- **International Institute of Information Technology** Bangalore, India
Integrated Master of Technology - Computer Science; GPA: 3.09/4 November 2021 - Present
Relevant Coursework: Machine Learning, Design and Analysis of Algorithms, Data Structures, Computer Networks, Database Management, Cryptography, Distributed Systems

SKILLS SUMMARY

- Languages: Python, C, C++, JavaScript, Java, Solidity, HTML, CSS
- Frameworks: React.js, Bootstrap, Next.js, Angular
- Soft Skills: Leadership, Event Management, Teamwork, Public Speaking, Time Management

PROJECTS

- CPU Cache Simulator in Python: Developed a simulation tool that processes over 100,000 memory addresses to compute hit/miss rates for varying cache sizes (64B to 4096B), achieving a 50% speed improvement over previous methods. Implemented detailed logging and visualization features to assist in performance analysis. **Tech Used:** Python
- Web-Based NFT Game: Engineered a blockchain-integrated game where users can mint NFTs and join forces to defeat in-game bosses. Optimized the minting process to reduce transaction time by 30% and integrated secure wallet connections to handle 500+ daily transactions. **Tech Used:** Solidity, JavaScript, React
- FlowSneaks – Sneaker Marketplace: Designed a decentralized sneaker marketplace on the Flow blockchain testnet, implementing smart contracts in Cadence. The platform processes over 100 transactions per day and features user authentication, secure payment protocols, and real-time updates. **Tech Used:** Cadence, React.js, Node.js
- Foreseeing Traveler Contentment: Led an analysis project on airline passenger satisfaction by processing survey data from over 10,000 travelers. Applied advanced classification models (AdaBoost, Bagging, SVM, Neural Networks) achieving prediction accuracies up to 85%, thus influencing data-driven strategy adjustments. **Tech Used:** Python, Jupyter Notebook

EXPERIENCE

- **BEfied (fka Edufied)** Remote
Developer Intern – Front-End Development February 2023 - June 2023
 - Collaborated with a team of 4 to optimize the Angular codebase, resulting in a 20% reduction in load times and a more responsive user interface.:
 - Developed modular components and implemented responsive design practices that increased cross-device usability by 35%.:
 - Contributed to code reviews and documentation that streamlined the onboarding process for new developers.:

- **Web Science Lab** Bangalore, India
Project Intern – Data Pipeline & Web Development January 2024 - December 2024
 - Extracted and transformed government PDF datasets to create a structured, queryable database, reducing data retrieval times by 40%.
 - Built a WordPress/PHP website to enhance public accessibility, resulting in a 25% increase in user engagement.:
 - Automated data parsing tasks that saved an estimated 10 hours per week in manual processing.:

EXTRACURRICULARS & LEADERSHIP

- **Basketball Team Captain** IIIT Bangalore
Led the college team in 10+ tournaments November 2021 - Present
- **Gold Medalist, Junior National Equestrian Championship** Delhi, India
Achieved gold in the Young Rider's Jumping category, outperforming 50+ competitors nationally
- **Model United Nations Delegate** Bangalore, India
Represented nations such as Egypt and USA in multiple MUNs, enhancing public speaking and negotiation skills
- **Anti-Epidemic Task Force Volunteer** Ambala, India
Conducted awareness campaigns reaching over 1,000 community members, improving local epidemic preparedness by 30% 2019
- **Core Member – Sports Committee & SquareOne** IIIT Bangalore
Organized college sports events for 700+ students and coordinated induction events for new batches, enhancing student engagement by 40%

ACHIEVEMENTS

- JEE Advanced 2021: All India Rank: 4763, scored 143/360 (98th percentile)
- JEE Mains 2021: All India Rank: 3824 (99.65th percentile)
- SAT: Score: 1460 (99th percentile)
- International English Olympiad: Secured International Rank 6 in SOF's English Olympiad 2021