

Anuj Arora

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Portfolio: portfolio-axnuzzz.vercel.app

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. Software Engineering

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

- **IAS Simulator in Python:** This project emulates the **IAS computer in Python**, simulating its key registers and two main processing cycles: **fetch** (loading instructions) and **execute** (decoding and running commands via the ALU). Users interact with the system to perform operations like addition, subtraction, and averaging through a user-friendly interface. **Tech Used:** Python
- **DevOps Automation for Calculator Application:** Engineered an automated CI/CD pipeline using **Jenkins** integrated with **Maven** for build automation and **JUnit** for testing, while containerizing the application with **Docker**. Leveraged **Ansible** for streamlined deployments and configured **GitHub Webhooks** with **Ngrok** to trigger updates efficiently. **Tech Used:** Jenkins, Docker, Ansible, Maven, JUnit, GitHub Webhooks, Ngrok
- **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
- **RetailDB:** Developed a robust **database management system** for traditional retail stores featuring **dynamic item listings** with advanced filters, **loss tracking** due to expiry, **real-time stock updates**, and **streamlined order processing**. **Tech Used:** Java, JDBC, MySQL, OOPs
- **E-Comm W:** Engineered an **object-oriented e-commerce platform** by developing a **seller interface in Java** and a **consumer interface in C++**, integrating both via a file system-based database. **Tech Used:** Java, C++

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
- **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