Kirat Arora

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Education

University of Massachusetts Amherst — **Expected Graduation:** May 2024
Bachelor of Science in Computer Science and Mathematics — **GPA:** 3.97/4.0
Relevant Courses: Data Structures, Algorithms, Programming Methodology, Computer Systems, Artificial Intelligence
Certifications: Ethereum and Solidity, *Udemy* | Fruity Loops Studio, *Udemy* | Xcode, *Udemy*
Awards: Dean's List (all semesters) | High Commendation, *International Utopia MUN* (Oct 2017) | High Commendation, *Utopia MUN* (Jul 2017) | Certificate of Excellence, *Dhanak Theatre* (Sep 2016) | First Prize, *Goonj Theatre* (Aug 2016)

Technical Skills

Languages: JavaScript, Python, Java, Solidity, SWIFT, HTML, CSS, C, C++
Technologies: Ethereum, Xcode, FL Studio, React, Postman, Firebase, Heroku, React Native, Unity

Work Experience

Residence Hall Association — Jan 2023 – Present
Resident Assistant — Amherst, MA
- Handpicked from a highly competitive pool of 500+ applicants and building relationships with over 300 residents
- Enforce campus living regulations, encourage academic performance, cater to student needs, and resolve disputes

Manning College of Information and Computer Sciences — Sep 2022 – Present
Head Undergraduate Course Assistant — Amherst, MA
- Coordinate with instructors to aid students taking Probability Theory comprehend its principles and applications
- Correspond with 13 other UCAs to set up important course logistics and help them build a community
- Respond to 250+ students' queries on Piazza to explain core concepts and resolve doubts regarding the course materials

Center for Multicultural Advancement and Student Success — Sep 2021 – Jan 2023
Programming Assistant — Amherst, MA
- Organize culturally enriching programs to support student success and sense of belonging for the underrepresented
- Collaborate with other campus departments and registered student organizations for co-programming signature events
- Employ strategic communication methods to publicize events and ameliorate outreach to the campus community
- Conduct research and provide support for the organization management and foster welcoming work environment

Leadership Experience

CICSoft Organization, Manning College of Information & Computer Sciences — Nov 2021 – Present
Co-President — Amherst, MA
- Managing the core team of 10 members responsible for organizational maintenance, along with the other co-president
- Directing the logistics, social media and teaching teams tasked with improving student engagement and learning
- Established the organization to provide a platform for students to learn app development with 3 co-founders
- Implemented and enhanced forms on CICSoft's website using HTML, CSS, and JavaScript, deployed on GitHub Pages
- Engineered 2 new functionalities for a Flask API deployed on Heroku to handle data of 170+ members on Firebase

Other Leadership Positions
- Guided and mentored 300+ middle school students conceptualize their ideas in the form of a movie — Dec 2018
- Served as an integral part of Organizing Team during Delhi University's Model United Conferences — Aug 2017 & 18

Highlighted Projects

ChatBox — Present
- Designing a block chain application that allows wallets to communicate with each other
- Constructed two solidity smart contracts overseeing the security and anonymity of the chats

Admin Panel — Present
- Implementing an admin panel for CICSoft along with 2 other developers to handle and manipulate 170+ member data and their attendance tracking

Major Manager — Dec 2022
- Programmed a mobile application build from ground up in react native which helps students track their graduation requirements. Made use of Firebase authentication to handle used login, used AWS Lambda to host scrapers to collect course information, and utilized DynamoDB to store used data.

CrowdCoin — Jul 2022
- Created a block chain application that aims to provide a safeguard against malicious Kick-starter initiatives
- Implemented a verification process, in which spending of money can be monitored and reviewed by the donors
- Designed an interactive front-end for the app using ReactJS, NextJS and Semantic-UI

Lottery — Jun 2022
- Developed a smart contract that simulates a lottery, deployed on the Ethereum's Rinkbey Network using Solidity and Web3. Participants enter by staking their test ether, and winner takes all