

Aarav Modi

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EDUCATION

Rutgers University <i>B.S in Computer Science + Business Analytics</i> • GPA: 3.96 / 4.0; SAT: 1520/1600 • Activities: Mobile Application Development Club, Quantitative Finance Club, Dean's List • Relevant Coursework: Intro to Computer Science, Data Structures, Computer Architecture, Principles of Programming Languages, Linear Algebra, Discrete Structures	New Brunswick, NJ <i>May 2025</i>
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WORK & LEADERSHIP EXPERIENCE

Lockheed Martin (Incoming) <i>Software Engineer Intern</i> • RMS division, Mark 41-VLS	Moorestown, NJ <i>June 2023 – August 2023</i>
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National Basketball Association <i>Software Engineer Intern</i> • Aided in development of newly owned and operated platform known as NextGen Initiative • Updated schemas to accommodate API updates for 5+ game cards and models (ex. featuredVodCard, playlistVodCard, articleVodCard) • Developed lock screen widget UI for NBA iOS App to display game status using Swift • Performed manual testing for multiple digital products and devices through TestFlight • Worked with QA engineers to resolve 50+ bugs in various areas of app (ex. For You Feed)	New York, NY <i>June 2022 – August 2022</i>
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Rutgers Mobile App Development Club <i>Director of External Relations</i> • Developed + maintained corporate network of over 25 Fortune 500 companies with RUMAD • Reach out to companies for speaker events, and information sessions (Capital One, Mongo DB, Amazon)	New Brunswick, NJ <i>April 2023 – Present</i>
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PROJECTS

Prerequisite Checker • Java program allows users to input courses in a syllabus structure to assist with scheduling • Programmatically informs students about eligibility for a particular course and aids them by providing a sample course schedule for following semesters to satisfy prerequisites • Employed hash tables (to allow O (1) search time), priority queues and linked lists to search for 20+ courses and mimic the Rutgers computer science syllabus structure	<i>April 2022 – May 2022</i>
Huffman Coding Algorithm • Java application employing a lossless data compression algorithm to encode/decode files • Utilized binary search trees to efficiently reduce file size by accounting for character occurrence frequency in input file and ASCII value memory cost • Achieved O (n log(n)) run time while reducing file size up to 70% in test cases	<i>March 2022 – April 2022</i>

SKILLS, ACTIVITIES & INTERESTS

Languages: Java, Swift, C, C++, Python, HTML, CSS, React.js, Node.js
Technical Skills: AWS Cloud Practitioner, Git, Object Oriented Programming, MS Office
Interests: Tennis (High school County Champion), Ukulele, Garba, Celtics, Harry Potter