Hritish Mehta

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EDUCATION

Rutgers University-New Brunswick   **New Brunswick, NJ**
Bachelor of Science in Computer Science and Economics(Minor in Data Science)   *September 2021 - May 2025*
- **GPA:** 3.81 / 4.00
- **Honors:** Dean's List(All Semesters)
- **Relevant Coursework:** Computer Architecture, Software Methodology, Data Structures, Linear Optimization, Intermediate Macroeconomic Analysis, Intermediate Microeconomic Analysis, Discrete Structures I, and II

SKILLS, ACTIVITIES & INTERESTS

Languages: English, Gujarati
Activities: Basketball Intramurals, USACS, IDEA, LimitlessMinds Tutoring, COVID Corps, Sam Joshi Campaign
Technical Skills: Java, JavaFX, C, C++, R, HTML, CSS, JavaScript, React, GIT, Microsoft Office, TailWindCS

PROJECTS

[Personal Portfolio Website](#)   *May 2023 - June 2023*
- Developed a responsive personal portfolio website using **React** and **TailWindCSS**, showcasing projects, skills, and general information to showcase overall experience.
- Integrated **emailJS** for seamless communication, enabling visitors to contact directly through the website, ensuring reliable message transmission, and enhancing user engagement

Photo Album   *March 2023 - April 2023*
- Designed a **JavaFX-based** photo management application with an administrator interface managing users and a user interface allowing clients to create albums, import photos, tag photos, and search for photos
- Enabled data persistence by employing the **Serializable** interface and serializing object data to a .dat file allowing users to retain changes across multiple application sessions

Chess   *February 2023 - March 2023*
- Developed a two-player chess game in **Java**, utilizing ASCII art to display the board and a command-line interface to prompt players for moves with resigning and draw capabilities with general game functionalities
- Employed **GIT Version Control** and object-oriented design principles such as **inheritance** and **polymorphism** to create a modular and maintainable codebase to allow for streamlined collaboration and easy feature additions

L2 Cache Simulator   *November 2022 - December 2022*
- Created a multiple-level write allocate/write-through cache simulator using a **hash-table** implementation in **C**
- Tracked cache hits, cache misses, memory reads, and memory writes based on user-specified cache parameters, such as cache size, associativity, eviction policy(**FIFO and LRU**), and memory addresses passed as file input

WORK & LEADERSHIP EXPERIENCE

Delta Sigma Pi Professional Fraternity   **New Brunswick, NJ**
Recruitment Committee Member   *August 2022 - May 2023*
- Handled back-end logistics regarding the recruitment process and campus outreach to popularize DSP
- Spearheaded communication and outreach initiatives to 15+ organizations emphasizing leadership and professional opportunities at DSP in order to increase major diversity within the fraternity
- Coordinated 2 tabling events for DSP at the campus involvement fair to encourage and inform the student population about upcoming recruitment events highlighting Delta Sigma Pi's professional involvement

Sylvan Learning   **Edison, NJ**
Certified Tutor   *Jan 2022 – August 2022*
- Instructed students on the fundamentals of mathematics, reading, and writing and SAT preparation
- Increased test scores by upwards of 10% by targeting topics of difficulty for students and emphasizing time management and proper study habits along with specialized review sessions during the beginning of class
- Encouraged student involvement through an incentivized token system based on academic and disciplinary progress tracked through standardized testing, weekly assignments, homework, and weekly self-reflections