

# 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(intermediate), HTML, CSS, GIT, Microsoft Office

**Interests:** Fitness, Reading, Running, Anime, Music (Rap & R&B), Garba, Basketball, Ping Pong, Chess

## PROJECTS

### 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