Harshil Machhi

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EDUCATION

Rutgers, The State University of New Jersey   **New Brunswick, NJ**
B.S. in Computer Science   *Anticipated Graduation: May 2025*
- **Relevant Coursework:** Data Structures, Discrete Structures, Linear Algebra, Intro Computer Science, Calculus II
- **Awards:** Dean's List, National Honors Society

PROFESSIONAL EXPERIENCE

POWER Changes Lives Inc.   **Edison, NJ (Remote)**
Project Coordinator Intern (Restaurant Management)   *Aug 2022 – Nov 2022*
- Developed and maintained a database system for monitoring and managing multiple data sheets, ensuring efficient data importation and integration with the company's website. This improved the accuracy and accessibility of information on products, balances, and activity status for partner restaurants and allowed for seamless data updates.
- Optimized the data management process by designing a custom automated email system to manage the onboarding of over 100 restaurants across 21 counties in New Jersey. The system included sending onboarding documents, receiving state approvals, sending cure notices, handling resubmission requests, and managing menu requests in an efficient manner which overall streamlined the onboarding process and increased company productivity

PROJECTS

FitAid   **Feb 2023**
- Developed and implemented a fitness program that leverages biometric inputs to calculate an individual's strength capacity using 8 precision algorithms, providing users with a more accurate tracking of their fitness goals
- Creates a workout schedule that is customized to the user's needs, automatically generating routines based on intensity and volume storing them in an Excel spreadsheet for easy access and management

RUWarehouse   **Oct 2022**
- Implemented an optimized data structure solution for a theoretical clothing store, utilizing hash tables to efficiently categorize and organize 50 products to their unique ID, improving overall organization of the store's inventory
- Leveraged min heaps to manage inventory issues by dynamically swapping the least and most popular items while deleting and inserting new products as necessary to maintain a maximum capacity of 50 products

LEADERSHIP EXPERIENCE

Food and Funds   **Edison, NJ**
Vice President   *Nov 2019 – Jun 2021*
- Coordinated 15+ fundraising events (bake sales, breakfasts, game nights, movie nights) and raised $1000+ in food and money donations to help provide for food insecure patients through a partnership with the Raritan Bay Clinic

Film Club, Edison High School   **Edison, NJ**
Film Director   *Sept 2018 – Jun 2021*
- Arranged and directed 10+ large-scale schoolwide videography projects (football games, senior nights, proms, class events) that involved planning shots, setting up equipment, capturing the shots, editing the raw footage through Adobe software, and handled uploading the final projects onto the film club YouTube channel
- Led weekly meetings to educate 20+ underclassmen on equipment usage, editing software, and logical thinking processes while filming to ensure the streamlined transition between the inauguration of new officers and members

Institutional Planning and Operations, Rutgers University   **New Brunswick, NJ**
Transportation Student Ambassador   Sept 2022 – Oct 2022
- Facilitated 40,000+ students with credible bus information and provide resources (Transit app, bus route page, and QR code linked to bus support) to help students travel across campuses with minimum complications
- Operated designated areas by bus stops across 4 Rutgers campuses for students to easily locate accessible help and handed out 40+ giveaways to create an engaging and influencing environment that attracts students in need.

SKILLS, CERTIFICATIONS, & ACTIVITIES

Programming: Java, C, Python, HTML, CSS, JavaScript