

Hruday Rajput

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EDUCATION

Stony Brook University

Expected Graduation in May 2023

Bachelor of Science in Computer Science

GPA: 3.37/4.00

- Relevant Coursework: Data Structures, Analysis of Algorithms, Software Development, Machine Learning, Systems Fundamentals, Human-Computer Interaction, Artificial Intelligence

PROFESSIONAL EXPERIENCE

Mastercard Summer Internship Program | June 2022 - Present

Software Engineering Intern | Boston, MA

- Working with the Data & Services team to improve standup workflow for new loyalty clients' environments
- Leveraging **Agile** framework with **Kanban** methodology to achieve effective collaboration and ensure timeline
- Improving workflow automation by using **Python requests** to interact with **Jira Cloud Platform REST API**

Campus Residences Information Technology | August 2021 - Present

Student Technician Support Specialist | Stony Brook University

- Working with student technician team to resolve IT related issues on campus through a client ticket system
- Maintaining an average ticket resolution time of 2 days, and 3-5 tickets resolved per day out of 5-10 received
- Providing support for in-house printer dashboard built on **C#** with a **SQL** database to monitor campus printer network

Coca-Cola Campus Ambassadorship Program | August 2021 - Present

Brand Ambassador | Stony Brook University

- Responsible for coordinating with campus organizations/leadership to co-host events and promote Coca-Cola brands
- Co-hosting 1-2 monthly events on campus and sampling drinks to over 150+ students per event on average

PROJECTS

Scala Network Monitoring Dashboard Web Application | January 2022

- Proposed development of a web dashboard for my University's IT team to monitor and diagnose a network of over 200 Scala Devices (large-format information displays) on our campus
- Led a team of 3 that utilized **ReactJS**, **HTML**, and **CSS** to create a sleek **Material UI** with relevant Scala data/metrics
- Integrated the application with the backend Scala Service through an **API endpoint** to get regularly updated status info
- Created a 40% more efficient workflow for employees maintaining the Scala network

Full Stack List Management Web Application | October 2021

- Implemented a **full-stack** web application that allows users to edit and share lists in a database with a **Material UI**
- Utilized **ReactJS**, **HTML**, and **CSS** to create an interface with account management and community sharing functions
- Enabled users to like, dislike, and comment on others' published lists while keeping track of views per list
- Integrated ORM **Mongoose** to simplify communication between **ExpressJS** and **MongoDB**

Image Classification with Machine Learning in MATLAB | September 2021

- Used Bayesian probability to create an algorithm that uses machine learning to identify faces within images
- The algorithm learns from provided training images and associated ground truth to predict if the image is a face or not
- Experimented with alternative methods for feature processing and achieved peak precision and recall values of 60%

LEADERSHIP

Theta Tau Professional Engineering Fraternity | May 2020 - Present

Current President - Former Treasurer, Service Chair and Brotherhood Chair

- Supervising and delegating responsibilities to 5 executive board members and 11 chair members to meet chapter goals and University "Five-Star" recognition
- Previously managed fraternity accounts and cash totaling to over \$4000+ as treasurer
- Organized and executed 2-3 group engagement events per month for members, ensuring at least 60% attendance

SKILLS & AWARDS

- Technical Skills*: **Python**, **Java**, **C**, **HTML**, **CSS**, **JavaScript**, **ReactJS**, **REST**, **MongoDB**, **AWS**, **R**, **MATLAB**
- Awards: The Congressional Award Gold Medal

***Bolded** skills indicate fluency