

# Hruday Rajput

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## EDUCATION

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### **Stony Brook University**

Expected Graduation in May 2023

*Bachelor of Science in Computer Science*

GPA: 3.47/4.00

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

## PROFESSIONAL EXPERIENCE

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### **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
- Leading a team of 3 in developing a brand-new Scala Dashboard web application built on ReactJS and Scala API

### **Coca-Cola Campus Ambassadorship Program | August 2021 - Present**

*Brand Ambassador | Stony Brook University*

- Responsible for coordinating with on campus organizations to co-host events and promote Coca-Cola brands
- Networking with campus leadership to find opportunities to reach a vast population of students
- Co-hosting 1-2 monthly events on campus and have sampled drinks to over 100+ students per event on average

## PROJECTS

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### **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 the algorithm to process feature data and achieved peak precision and recall values of 60%

### **Full Stack List Management Web Application | October 2021**

- Built a full-stack web application that allows users to manipulate and share lists in a database with a Material UI
- Utilized ReactJS, HTML, and CSS to create an interface with accounts management and community sharing functions
- Enabled users to like, dislike, and comment on others' published lists while keeping track of views per list
- Implemented the back-end with a MongoDB database connected through Mongoose and ExpressJS

### **Router Network Simulator in Java | October 2020**

- Implemented stacks and queues in a decentralized program to simulate a customizable network of routers that exchange packets until they reach the destination
- Resulted in a customizable router network that allowed for analysis of trends based on variables such as packet size

### **Twitter Music Bot in Python | November 2019**

- Deployed a twitter bot that creates live contests for users to guess a song's name based on an excerpt of its lyrics
- Used the Tweepy API to interface with twitter and automate the sending of posts and reading of replies
- Resulted in a user-friendly bot that was easy to set up and customize on the backend

## ACTIVITIES & EXTRACURRICULARS

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### **Theta Tau Professional Engineering Fraternity | May 2020 - Present**

*Current Treasurer - Former Service Chair and Brotherhood Chair*

- Currently managing fraternity accounts and cash totaling to over \$4000+. Involves gathering funds from members and budgeting for semesterly expenses associated with all the chairs and their events.
- Previously responsible for organizing and executing 2-3 group engagement events per month for members to attend
- Coordinated with co-chairs and secretary to book rooms, announce events, and ensure at least 60% attendance

## SKILLS & AWARDS

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- Technical Skills: Python, Java, MIPS, OCaml, R, HTML, CSS, JavaScript, LaTeX, MATLAB, Microsoft/Google Suite
- Awards: The Congressional Award Gold Medal