

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

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 on campus organizations to co-host events and promote Coca-Cola brands
- Networking with campus leadership to find opportunities to reach a diverse population of students
- 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%

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

ACTIVITIES & EXTRACURRICULARS

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
- Managed logistics with co-chairs and secretary to book rooms, announce events, and ensure at least 60% attendance

SKILLS & AWARDS

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