

# Syed Rizvi

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## EDUCATION

College of Natural Science and Mathematics, University of Houston, TX

**Bachelor of Science in Computer Science**

**May 2023**

4.0 GPA

## EXPERIENCE

**Houston Learning Algorithms (HULA) Group, Houston, TX**

**September 2020 - Present**

*Machine Learning Research Assistant*

- Applied real-time style-transfer data augmentation algorithms using convolutional neural networks on medical image datasets
- Developed custom medical image labeling interface allowing for grid label application using React and the Labelbox JavaScript API

## INDEPENDENT PROJECTS

**Autoencoder Anomaly Detection**

**August 2020**

- Machine learning model aimed at anomaly detection in environmental sensor dataset from Amazon's Seattle Sphere conservatories
- Placed 3<sup>rd</sup> in the AWS & NVIDIA Environmental Hackathon
- Developed using Python, Pytorch, Jupyter Notebooks, and Amazon Sagemaker

**NutrientView Mobile App**

**July 2020**

- Nutrient logging app utilizing image recognition to track and display 25 macro and micronutrients consumed in food items
- Informational QnA bot integrated to display benefits of different micronutrients
- Developed using React Native, IBM Watson image recognition, Azure bot service, Firebase, and the Edamam Nutrition Analysis API

**FinVisor Financial Awareness Web App**

**January 2020**

- Income and expense tracking web application aimed at increasing financial awareness and responsibility of users
- Developed using Python, Flask, SQL Alchemy, HTML, and CSS

## TECHNICAL STRENGTHS

Programming Languages: Python, C++, JavaScript, Java

Libraries: Pytorch, Tensorflow, Numpy, Pandas, Scikit-learn

## HONORS AND AWARDS

Dean's Distinguished Scholars List, The University of Houston

**Fall 2019 - Spring 2020**

## ACTIVITIES

**Management Information Systems Student Organization**

**January 2020 - Present**

*Professional Development Committee Member*

- Worked with a team of 20 committee members to perform 75 individual resume reviews leading up to recruiting season following resume guidelines set by C.T. Bauer College of Business
- Delivered a presentation on IT candidate development and career positioning during professional development workshop