

SRIBHUVAN REDDY YELLU

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[LinkedIn](#) · [GitHub](#)



EDUCATION

Georgia State University, Atlanta, GA

Aug 2020 – Present (Expected: 2023)

Bachelor's in computer science Honors.

GPA: 4.0

COURSEWORK

Data structures, Design and Analysis of algorithms, Fundamentals of Data Science, Programming Language and Concepts, Systems Level Programming, Computer Organization and Programming

WORK EXPERIENCE

NCR Corporation, Atlanta, GA

May 2022 – Aug 2022

Software Engineer Intern (*iOS development*)

- Part of the Hospitality Department at NCR.
- Worked on Engage Mobile IOS app, which multiple small and mid-sized businesses use.
- Reconfigured the backend service of the app from NOLO legacy API legacy to Mercury.
- Worked on creating and implementing API calls to retrieve business unit data and process consumer requests on the backend side of the app.
- Built the customer-facing UI components of the app and connected them to the backend.

Georgia State University, Atlanta, GA

Aug 2020 - Present

University Assistant (*Mathematics and Statistics Department*)

- Assist students during statistics class and help them with their doubts during the course.
- Host online sessions four times a week to provide additional assistance in statistics for students.

RESEARCH EXPERIENCE

Georgia State University, Atlanta, GA

Nov 2021 - Present

- Working in the area of computational musicology for the past one year.
- Developing a Deep Learning model using an CNN LSTM network for generating and predicting musical patterns based on pitch, duration, and onset. Also, melody and cognitive preferences incorporating into the ML model.
- The model is being built with the help of PyTorch framework. Additionally, representation of the musical notations and their information is done using the music21 library.

PROJECTS

Heart Failure Predictor – Machine Learning and Data Science Project ([Link](#)):

- Using various body measures, this model predicts the likelihood of a heart patient passing away before the follow-up.
- Balanced data in columns using SMOTE and Analyzed 13 different human body parameters using pandas and matplotlib.
- Implemented and tested 8 classification algorithms to build an ML model which predicts whether a patient would pass away within their follow up period.
- The best model accuracy of 87.7% was obtained by Random Forest Classifier.

TECHNICAL SKILLS

Languages: Java, Python, HTML5, CSS3, JavaScript, Swift

Technologies: iOS, Git

Libraries & Frameworks: Node.js, UIKit, Tensorflow, PyTorch, scikit-learn

Databases: MongoDB, MySQL

AWARDS

- **President's List** (*Georgia State University*)
Made the President's list for having a GPA of 4.0 in freshmen year and sophomore years.