

# VINAYAK RENU NAIR

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## EXPERIENCE

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### Georgia State University

Graduate Teaching Assistant

Jan 2021 - Present

- Used Git, Github & Zenhub to help and assist students on their projects for the Software Engineering course.

### Exfo

Summer Intern

May 2019 - July 2019

- Performed exploratory data analysis and implemented various machine learning models on cellular data.

### Tejas Networks

Summer Intern

May 2018 - July 2018

- Undertook a project titled *Disk Programming Using Raspberry Pi* under the guidance of the Director of R&D.
- Leveraged PERL for actuating Raspberry PI and developed a front end interface, using HTML & CSS, to showcase the working model.

## PROJECTS

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### Detecting Depression

*NLTK, Scikit-Learn, Pandas, Numpy, Tensorflow, Keras*

- A comparison study to detect depression from the transcripts of clinical interviews between the patients and an animated virtual interviewer and classify them based on the level of depression using various natural language processing and deep learning techniques.

### Movie Recommender System

- Developed a Machine learning model for recommending movies and series based on the interest and frequency of watching.

### Food Ordering System

- Created a mobile application that helps users to order food from the restaurant's of their choice. Developed using *Android studio, sql-lite, agile methodologies* and tested using methods like unit testing, integration testing

### Voice based transport enquiry system

- Developed an application which takes in users voice as input and give appropriate information regarding the travel based on the query using *Android studio* for making user interface and *SQLite* for the database management

### Air traffic control system

- Developed a program in C which helps in scheduling the flights in an airport. Graphics was used for simulating radar

## SKILLS

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Python SQL C JavaScript HTML CSS PHP  
Git

## EDUCATION

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### M.S. - Computer Science

Georgia State University, Atlanta

Jan 2021 - Present

Machine Learning, Natural Language Processing, Web Programming

### BTech - Computer Science

Amrita School of Engineering, Coimbatore, India

2016 - 2020

Data Structures, Software Engineering, Algorithms, Database Management Systems