

# Subbarao Garlapati

## Education

**Georgia Institute of Technology**, Atlanta, GA

May 2022

- GPA: 3.82/4.00
- Bachelor of Science in Computer Science, Minor in Mathematics

## Work Experience

**NCR Corporation**, Atlanta, GA

May 2021 - Present

*Software Engineer Intern*

- Developing an application consisting of a React frontend and Node.js/Express backend that will enable NCR POS and services to seamlessly switch between running NCR business services and community vaccination centers

**MessageGears**, Atlanta, GA

June 2020 - Present

*Cloud Team Intern*

- Working as part of a full stack engineering team building an independent web application comprised of an Angular front end and Java Spring backend
- Written 50+ pull requests interacting with a wide variety of tools, including SQL, Redis, PMTA, AWS (S3, SQS, Kinesis)

**Coordinated Care Inc.**, Atlanta, GA

May 2019 - Aug 2019

*Software Intern*

- Developed chat communications application using the Twilio platform that would allow rural nurses to better digest and respond to information sent by crowded city hospitals

## School Experience

**Edge Computing Research**

Jan 2021 - Present

- Helped to design and implement a low-cost edge cluster system architecture for scalable camera processing under the guidance of Dr. Kishore Ramachandran
- Created a 14 node raspberry pi cluster and ran a camera processing application on it with different configurations using Docker, Kubernetes, and OpenFaas

**Teaching Assistant - CS 2200 Systems and Networks**

Jan 2021 - May 2021

- Designed course materials to comprehensively assess understanding of course concepts
- Taught recitations and held office hours every week to help students overcome conceptual blocks, debug code, and learn new course material

## Activities and Leadership

**Epic Intentions**

Jan 2020 - Dec 2020

*Project Lead*

- Lead a team of students in creating a project management tool to assist the nonprofit Old Fourth Ward Business Association in creating a Community Improvement District
  - Hosted at <https://o4wepictool.github.io>
- Worked with the nonprofit Partnership for Southern Equity to design a tool that will analyze and display geospatial neighborhood census demographic data layers

**Junior Stem**

Aug 2019 - Present

- Facilitating student involvement in STEM initiatives to promote and increase retention of underrepresented minorities through outreach events at Atlanta-area public schools

**Mathematical Biology Research**

Jan 2019 - May 2020

- Studied human evolutionary genomics and population genetics under the guidance of Dr. Joseph Lachance
- Awarded the competitive President's Undergraduate Research Award for project on Quantifying Genetic Load in Admixed Individuals

## Contact

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**E-mail**

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[linkedin.com/in/subbarao-garlapati](https://www.linkedin.com/in/subbarao-garlapati)

**Github**

<https://github.com/SubbaraoGarlapati>

**Address**

795 Hammond Dr Apt 608

Sandy Springs, GA 30328

## Skills

Java

Git

C

Docker

Kubernetes

JavaScript

Spring

HTML/CSS/Bootstrap

Node.js

## Certifications

AWS Certified Solutions Architect - Associate (SAA-C02)

Microsoft Azure Fundamentals (AZ-900)

## Relevant Coursework

Honors Algorithms

Data Structures and Algorithms

Computer Organization and Programming

Discrete Mathematics

Second Course in Linear Algebra

Objects and Design

Systems and Networks

Design Operating Systems

Intro to Number Theory

## Languages

Spanish

Telugu