

Subbarao Garlapati

Education

Georgia Institute of Technology, Atlanta, GA

May 2023

- Masters of Science in Computer Science - Machine Learning
- Bachelor of Science in Computer Science
 - GPA: 3.82/4.00

Work Experience

Meta, Menlo Park, CA

May 2022 - Aug 2022

Software Engineer Intern

- Created a command line tool that does performance analysis on CPython binaries vs Meta's performance-oriented fork of CPython (Cinder)
- Additional features include codemodding using Bowler, pull request generation, dataset logging, and python version analysis
- Already being used by teams to onboard onto Cinder and by the Cinder team to automate analysis, formally report/query analysis results, and demonstrate performance wins

MessageGears, Atlanta, GA

June 2020 - May 2022

Cloud Team Intern

- Written 50+ pull requests interacting with a wide variety of tools, including SQL, Redis, PMTA, and AWS, and helped deliver critical features a quarter before scheduled
- Designed and developed a core encryption library to ensure federal PII compliance using Amazon Key Management Service (KMS) and Redis Cache

NCR Corporation, Atlanta, GA

May 2021 - Aug 2021

Software Engineer Intern

- Lead the Node.js/Express backend development of a React application that will enable NCR POS and services to seamlessly switch between running NCR business services and community vaccination centers

School Experience

Edge Computing Research

Jan 2021 - May 2022

- 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 - Dec 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

Contact

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Github

<https://github.com/SubbaraoGarlapati>

Address

795 Hammond Dr Apt 608

Sandy Springs, GA 30328

Skills

Java

Git

C

Python

Agile

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

Graduate Algorithms

Intro to Number Theory

Languages

Spanish

Telugu