

Md Samad

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EDUCATION

Michigan State University, East Lansing MI

Bachelor of Science in Computer Science

- Dean's list College of Engineering

Technical GPA: 3.52/4.0

Graduation Date - May 2022

SP '20, AU '20, SP '21 & AU '21

EXPERIENCE

Delta Dental of Michigan, DevOps and Automation intern, Remote

Nov 2021- Present

- A Dental Insurance Company with 68M+ insured members

- Assist with helm charts deployment to Kubernetes during infrastructure migration
- Migration of data from open-source CI/CD pipeline to Cloudbees Jenkins CI/CD pipeline
- Administration of support to customers including documentation and interaction

TIAA, Technology Associate, Remote

Jun - Aug 2021

- A Fortune 100 Finance Organization, 40B+ Revenue, 16k+ employees

- Developed Python-based scoring model API in Agile environment and achieved 80% code coverage in SonarQube
- Enhanced Python using Flask, HTTP, Spring cloud config to make it reusable
- Built a docker image using Cloudbees Jenkins CI/CD pipeline to deploy to RedHat OpenShift 4

AT&T, 2020 Summer Learning Academy Extern, Remote

Jun - Jul 2020

- Acquired skills in machine learning, cybersecurity, and data analysis through independent assignments and teamwork
- Completed entry-level training in media, technology, communication, and leadership
- Gained insights and advice in IT field, business, and leadership from business executives and experts
- Networked with 200+ students and 20+ AT&T employees through professional development programs and events

MSU Tech Store, Student Info-Tech Assistant, East Lansing, MI

Jun - Dec 2019

- Assisted customers with purchases through the point-of-sale system to ensure a quality purchasing experience
- Performed basic troubleshooting procedures on iOS, macOS, and Windows devices by clearing the RAM
- Tutored towards changes in technology needs through in-person training and online learning modules

PROJECTS

Average Travel time at Capital Area Transportation Authority, East Lansing, MI

Jan - Apr 2021

- Focused on execution, and testing programs using Python to compute average travel time between bus stops at CATA
- Applied variety of coding structures in Python such as hash tables and pytest library to test the program

Navigator for Meridian Mall, Okemos, MI

Jan - Apr 2020

- Developed an Android mobile app to allow users to find desired stores inside the mall using GPS
- Utilized MIT App Inventor to design and program the application for students of MSU to use
- Fronted a team of five engineering students to create different pages for easy navigation within the application

Lego EV3 Robot (EGR 100)

Jan - Apr 2020

- Designed a robot that follows a specific path, picking up a ball and dropping it to its destination
- Utilized Lego EV3 to assemble the robot and MATLAB Simulink to program the robot
- Resulted in building a successful robot which maneuvered all the obstacles and accomplished the set objective

TECHNICAL SKILLS

- Computer languages - Python (advance), C++ (advance), C (intermediate), HTML (intermediate), JAVA
- SQL, GIT, Docker, OpenShift, Splunk, Mule Proxy Gateway, Arduino, Confluence, MATLAB Simulink
- Android, REST API, JavaScript, CSS

ORGANIZATION AND VOLUNTEER AFFILIATION

National Society of Collegiate Scholars, Member

May 2020 - Present

- Received invitation to join the society based on academic aptitude and leadership potentials
- Currently involved in building school connections, leadership, and service opportunities