ASHEEQUE CHERICHAM VEETTIL MALIYAKKAL

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EDUCATION

SUNY,University At Buffalo   Buffalo,NY
MS in Computer Science and Engineering, GPA - 3.63   February 2023
Relevant coursework: Data Structure and Algorithms, Distributed Systems,Deep Learning, Computer Vision

SKILLS

- Languages: Python, HTML, MATLAB, Javascript, R, Typescript, Java
- Tools & Frameworks: React,React Native, ROS, Docker, Angular, MongoDB, Flask, Node.js, OpenCV, PyTorch, pytest,RASA ,GCP, AWS, IOS App development, Jira, Express.js, GitHub, Linux

EXPERIENCE

Emvoke Technologies PVT LTD - Software Development Engineer(Full Stack) | Delhi,India   June 2020 – June 2021
- Collaborated on a enterprise-grade B2B healthcare clinic management software(SaaS) utilizing Agile methodologies
- Initiated and lead Billing and Inventory modules from scratch for clinic SaaS with Angular, Node.js.
- Reduced time to handle multiple EHR by 80% and eliminated data redundancy by developing report module.
- Mentored and helped 2 interns on RBAC and authentication modules

Qatar Computing Research Institute - Software Developer Intern | Doha, Qatar   June 2019 – July 2019
- Built a python library to fetch user's Google Fit data to analyze and visualize user's lifestyle health data and accomplished it by adapting Flask framework
- Collaborated with three developers on site maintenance, including content and user experience enhancements with flask, plotly, and react.

PROJECTS

User profile builder with AI chatbot | Python,React.js,Node.js,MySQL **-** Team of 5
- Developed a web application which can be used to form teams for startups.
- Created a AI chatbot using Rasa to collect information about user to form teams
- Trained Rasa models by building a dataset containing interactions between users and chatbot.
- Created a web application for users to find matched profiles modelled through chatbot and presented data analytics to show percentage of user-matched data.
- Deployed the AI chatbot using docker on Google Cloud Platform.

Optical Character Recognition | Python **-** Team of 1   GitHub | View Project
- Generated image features using SIFT from set of target characters
- Created connected component labeling using Breadth First Search on given dataset
- Performed recognition using sum of square difference on SIFT descriptors

Raft Implementation| Python **-** Team of 2   GitHub | View Project
- Implemented Raft consensus algorithm
- Incorporated Heartbeats, Timeouts, remote-procedure-calls (RPCs) on each node using python
- Containerized the app using docker and scaled it to 5 fault-tolerant distributed system servers

VOLUNTEERING

CodePath - Intermediate Technical Interview Prep Coach | Remote   September 2022 - November 2022
- Leading a group of 6 students in weekly discussions and pair programming involving data structures and algorithms and technical interview preparation
- Volunteering to empower students from underrepresented groups in tech to succeed

ACHIEVEMENTS AND CERTIFICATIONS

- Member of Enactus,an international non-profit organization (2020)
- Participated in ACM ICPC Asia Amritapuri Double-Site Regional (2017)