# Nishanthan Rengaharan

480-955-1453 | nrengaha@asu.edu | [linkedin.com/in/nishanthanr](https://linkedin.com/in/nishanthanr) | [github.com/nishanthanr151998](https://github.com/nishanthanr151998) | [nishanthan-rengaharan.github.io](https://nishanthan-rengaharan.github.io)

## EDUCATION

**Master of Science in Computer Science**                                                              **May 2024**
Arizona State University, Tempe, Arizona, US                                                         **GPA: 4.0**
**Coursework:** Distributed Software Development | Software Security | Software Verification, Validation and Testing | Cloud Computing | Data Visualization | Data Mining

**Bachelor of Engineering in Electronics and Communications**                              **May 2019**
MIT, Anna University, Chennai, Tamil Nadu, India                                                    **GPA: 3.6**

## TECHNICAL SKILLS

| | | | |
|---|---|---|---|
| **Languages** | : Python, C#/.NET | **Front-End** | : HTML, CSS, D3.js |
| **Frameworks** | : Angular, React | **Testing Tools** | : Cypress, Protractor |
| **Databases** | : SQL, MongoDB | **Cloud platforms** | : Azure, AWS, Firebase |
| **Certifications** | : Agile SAFe, Go, MS AZ-900 fundamentals | **Version Control** | : Git, Github, TFS |

## PROFESSIONAL EXPERIENCE

**Full-Stack Software Engineer, Amadeus(Hospitality)**, Bangalore,India          **July 2019 – August 2022**
- Transformed a legacy **Monolithic architecture application** into **Micro-service architecture** by building multiple microservice applications using **C#** for efficiently managing and scaling systems.
- Built **REST APIs** handling millions of requests for multiple downstream components **increased performance of application by 30%**.
- Implemented **GDPR, European data protection, and privacy guidelines** across all databases (**MySQL**) operated by the Hotel Management application; Made sure customer data is not held for more than 5 years without permission.
- Created **Hotel Property Management Front-end web application** leveraging **Angular/Typescript** and Integrating those with REST APIs.
- Designed and automated **unit tests** and **integration tests to verify end-to-end functionality** for Hotel Management Web application leveraging **Cypress and Protractor.**
- Enhanced manageability of Angular application by combining a **code coverage tool (Cobertura)** with CI/CD for helping developers to identify and revamp code coverage with ease and test application for bugs efficiently.
- Constructed **CI/CD pipelines** for applications hosted in cloud leveraging **Microsoft Azure.**

## WORK EXPERIENCE

**Global Peer Mentor,** Culture@ASU, Tempe, Arizona                              **July 2023 – February 2024**
- Mentoring **110 First-year International students** to get acclimated to social and academic culture@ASU
- Conducted Multiple **Resume & cover letter workshop** for students to help apply for on-campus jobs.
- Reaching students by conducting **Global Tea Talks,** a weekly event to build a community of **1000 International Students**, sharing experiences and connecting with ASU resources.

## PROJECTS

**Ecommerce Clothing App**                                                               **May 2024 – June 2024**
- Created an Ecommerce Clothing store using **React/Javascript**.
- Integrated with **Authentication** and **Database Storage** from **Firebase** to provide **Google Sign-in** feature.
- Added payment feature using **Stripe** for different kinds of **online payment**.

**Trip Planning Application**                                                         **August 2023 – December 2023**
- Developed a distributed **ASP.Net** Web application using **C#**, employing a micro-service architecture.
- Collaborated with a team of 3 and Implemented a WSDL-based **Weather forecasting service** and a REST **nearest Store finder, location finder** with **Google Places** and **chatGPT API** on Webstrar enhancing application functionality.

**Face Recognition Attendance Application**                                         **August 2022 – December 2022**
- Hosted an Image Classifying model in **AWS EC2** and **S3** to classify images with a response time of less than 20 seconds per 100 requests.
- Designed an attendance recording computer vision model for classroom and implemented in AWS using **AWS Lambda, S3** and **DynamoDB** with response time of less than 60 seconds per 100 images.