

## Education

- Pursuing Masters in Computer Science at University Of Texas at Arlington, 2019-21 (Spring 2021) 3.63/4 GPA
- B.Tech, Computer Science & Engineering at Don Bosco Institute Of Technology - Aug 19 7.1/10 CGPA

## Technical Skills

<b>Languages</b>	: Java, Python, Swift	<b>Development Methodologies</b>	: Agile
<b>Web Technologies</b>	: HTML5, CSS, JavaScript, PHP, Flask	<b>Source Control</b>	: Git
<b>Cloud Technologies</b>	: AWS, IBM Cloud, Azure, GCP		
<b>Database Technologies</b>	: MySQL, SQLite, Firebase	<b>Platforms</b>	: XCode, Android Studio

## Projects

### **Multi-Threaded Client Server Project (Skills used: Java, Swings, Multi-Threading, Sockets, Files)**

- Designed and built a distributed file system using Sockets and Threads in Java
- Implemented multi-threading to handle multiple client requests at the same time
- Enabled Server Directory sync and de-sync on client request and maintained folder consistency between server and client

### **API based Video Sharing Platform using Microservices on GCP**

#### **(Skills Used: Cloud Functions, REST API, JSON, Python, Cloud Storage)**

- Designed and built multiple API's that interact with Cloud MySQL and Google Cloud Storage and hosted them on Google Functions
- Used Google App Engine to host a website built with Python-Flask where users can upload and view videos
- Implemented network latency based variable bitrate on client-request.

### **AWS Project (Skills used: PHP, EC2 creation and maintenance, JavaScript, HTML, CSS, Bootstrap, AWS Load Balancing)**

- Built and hosted a website built with PHP on an AWS EC2 instance
- Implemented load balancing and auto-scaling groups using a saved AMI, triggered based on network usage
- Used Chart.js to display charts and other graphic info on the webpage.

### **Serve-Me System (Skills Used: Java, Recycler Views, Adapters, Class Models, Google Firebase and Cloud Storage)**

- Developed a native Android application using Firebase as the database.
- Worked with Singleton classes, Recycler Views and Model classes.
- Designed the User Interface and implemented it across the application.
- Responsible for developing 30% of all screens and functionality of the application.

### **Ford iOS Application (Skills Used: Swift, Third-party libraries, Maps SDK, Agile, MVC, CocoaTouch, XCode)**

- Worked with Core and third-party Swift libraries [Alamofire (for REST API calls), Google Maps SDK (Geocode and Reverse Geocode)] with Cocoapods as the dependency manager.
- Developed the application in an Agile environment using MVC design pattern and developed Unit Test cases.

### **Data Analysis and MIS Report Generation (Skills Used: HTML5, DataTables, PHP, JavaScript, Charts API, CSS)**

- Created Analytical and MIS reports using HTML5, DataTables, PHP and JavaScript which used the incoming real-time data from each car and mobile device to create useful insights.
- Used Google Charts API to display data in the form of attractive and efficient charts

## Work/Experience - 7 months

### **Nineleaps - Jan-June'19 - 6 months, Bangalore, India.**

- Built a multi-page iOS application which used Core Location, Table and Collection Views along with Alamofire
- Used Google Maps SDK and Google Geocoding/Reverse-Geocoding to display a Map on the application and allow users to navigate effectively using their current latitude-longitude/location.
- Optimized the codebase to make the application use significantly lesser memory during runtime by replacing View Controllers instead of pushing them into the view.
- Built the application from scratch, with previously minimal knowledge of the tools required to develop it.

### **Turbizo [Voyzon Technologies Pvt Ltd] - 6 weeks, Bangalore, India**

- Worked on building standard and analytical reports for specific use cases using PHP, JavaScript, HTML5 and Bootstrap.
- These reports would enable their clientele to understand and interpret the huge real-time datasets