Manali Ganesh Ghare

Charlotte, NC | (980)-287-8518 | manalighare19@gmail.com
https://www.linkedin.com/in/manalighare/ | https://manalighare19.github.io/

EDUCATION

Master of Science, Computer Science, University of North Carolina at Charlotte **GPA:** 3.90 **Aug 2018 - May 2020**

Bachelor of Engineering in Computer Engineering, Savitribai Phule Pune University **GPA:** 66.35 **June 2013 - June 2017**

TECHNICAL SKILLS

Programming Language: Java, JavaScript, Swift, C, C++, SQL, PL/SQL, Python

Web Technologies: HTML, CSS, Node JS, Express JS, Angular JS, React JS, Axios, Bootstrap

Tools: Android Studio, XCode, Firebase, MySQL Workbench, Eclipse IDE, Postman, Kanban Board, Adobe, Github

Services: Firebase, AWS-EC2, S3, RDS, Azure Bing Image Search API, Digital Ocean, Heroku

Databases: MySQL, MongoDB, MS Access, SQLite, Realm

WORK EXPERIENCE

IOS Developer Intern, Amissa, Charlotte, USA June 2019 – Aug 2019

- Built an IOS application for Alzheimer's patients where the caretaker can track the patient's location, set the geofence region, get notified if the patient leaves the geofence region and monitor the patient's health.
- Utilized **Apple's Core Location** to obtain the patient's geographic location and Haversine distance formula to check if the patient is in the geofence region.
- Notifications are handled by Apple push notification service (**APNs**) with **firebase** cloud messaging.
- Collaborated with the team using a **Kanban** board to follow the agile development process.

Software Engineer, Bolt Technologies, Pune, INDIA Sept 2017 – Aug 2018

- Contributed software engineering expertise in the development of products through the **software lifecycle**, from requirements definition through successful **deployment**.
- Worked on Android applications in healthcare, lifestyle, and fitness domain with supporting **REST APIs** to fetch and modify data.
- Designed and developed dynamic web pages using **HTML** and **JavaScript**.

PROJECTS

Web Applications, UNC Charlotte

Book Cave **[HTML5, CSS, Bootstrap, Node.js, Express.js]**

- Developed a website for readers where user can explore books, share his/her work and give rating. Followed **MVC** (Model View Controller) architecture for easy modification and scalability.
- User data and book details are stored in **MongoDB**.

Travel Website **[RESTful API, HTML5, CSS, Node.js]**

- Designed Travel website API which has endpoints for getting city, places and food places. Implemented user authentication using **JSON Web Token**. This API is deployed on **Heroku**.
- Website uses this API to create website where user can search city and get information of popular places and cuisines of that city.

Android Applications, UNC Charlotte

Chatroom with Ride Sharing App **[Java, Android Studio, Google Map, Firebase]**

- Uses **Firebase Realtime database** and storage features to store the pictures and messages shared in the chatroom. User can join chatroom or create new one.
- In the chatroom user can request a ride and can share current location using **Google maps.**
- It uses **GSON**, **OkHTTP**, **PrettyTime** libraries and shared preferences to store sessions.

Smart Grocery Store **[Java, Bluetooth Beacons, Payment API]**

- Uses **Bluetooth Beacons** to provide indoor proximity information in a grocery store. Estimote Bluetooth beacons are used to provide list of discounted products from the aisle closest to the user.
- Application is using **Braintree payment API** to process payments.

Smart BLE Bulb Android Simulator **[Java, BLE Device, android]**

- Android application which connects with **smart BLE bulb** to read or change the characteristics such as bulb, beep and temperature.

Trip Planner **[Java, Android, Google Map, Firebase]**

- Enables a user to plan trip to any city in the USA. It uses **Google Map** to provide the list of tourist attractions in a two-mile radius of the selected city. The application uses **Google Authentication** for sign up.
- It uses **reverse geocoding** to transform address into latitude and longitude to store into firebase database.

News Application **[Java, JSON]**

- Displays news feeds from Buzzfeed News API. JSON data from API call is parsed using **AsyncTasks**.