Manali Ganesh Ghare

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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: Kotlin, Java, GraphQL, JavaScript, Swift, C, C++, SQL, Python

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

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

Databases: MySQL, MongoDB, SQLite

WORK EXPERIENCE

Software Engineer (Android), Current, New York, USA   Nov 2021 – Present

- Developing an Android application to streamline banking services for users.
- Led efforts to improve the onboarding process by incorporating surveys to tailor features to individual user needs.
- Utilized **GraphQL** to improve app performance and flexibility by only requesting specific data fields and easy data modification.
- Developed **reusable components** utilizing **MVVM** architecture pattern, including a custom address flow shared across multiple workflows.
- Incorporated the Android **Contacts Provider** to facilitate the sharing of in-app rewards and referrals to suggested contacts.
- Managed a comprehensive **rebranding** effort, updating 60% of the app in just 5 weeks through close collaboration with designers to maintain design parity across iOS and Android platform, and project managers to coordinate release.

Software Engineer (Android), Fruit Street Health, New York, USA   Oct 2020 – Nov 2021

- Developed an Android application for a Diabetes Prevention and Weight Loss Program, featuring manual food entries and tracking of health data from wearable devices.
- Integrated **ZOOM API** for seamless video conferencing with dietitians to provide feedback on logged food.
- Utilized **HTTPS WebSocket** and **MOSHI** JSON library for real-time chat functionality.
- Collaborated with Technology and Platform teams to ensure cross-platform consistency and managed tasks and team within an agile development process using **Pivotal Tracker** and **Miro Board**.

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

- Built an iOS application for Alzheimer's patients, allowing caretakers to track patient location, set geofence regions, receive notifications if the patient leaves the geofence, and monitor patient health.
- Utilized **Apple's Core Location** to obtain the patient's geographic location and Haversine distance formula to check if the patient is within the geofence region.
- Implemented notifications using Apple Push Notification Service (**APNs**) with **Firebase** Cloud Messaging.
- Collaborated with the team using a **Kanban** board to follow an agile development process.

PROJECTS

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. Allows users to join existing chat rooms or create new ones
- Enables users to request rides and share their current location through integration with **Google maps.**
- Incorporates **GSON**, **OkHttp**, **PrettyTime** libraries and shared preferences to enhance functionality, improve user experience and maintain active sessions.

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

- Utilizes **Bluetooth Beacon** technology and Estimote Beacons to deliver indoor proximity-based information and offers in a grocery store setting.
- Integrates with **Braintree payment API** to facilitate secure and efficient transaction processing.

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

- Enables a user to plan a trip to any city in the USA. It uses **Google Maps** 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 addresses into latitude and longitude to store into a firebase database.

Web Applications, UNC Charlotte

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

- Designed Travel website API with endpoints for getting city, places, and food places. Implemented user authentication using **JSON Web Token**. This API is deployed on **Heroku**.
- Website using the API allows user to search for cities and view information on popular places and cuisines in those cities