ANUP V DESHPANDE

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EDUCATION

University of North Carolina at Charlotte - *Charlotte, NC*   May 2020
Master of Science in Computer Science | GPA: 4.0

Savitribai Phule Pune University - *Pune, India*   May 2017
Bachelor of Engineering in Computer Engineering

TECHNICAL SKILLS

Programming languages: Swift, Java, C, C++, SQL, VB.Net, JavaScript
Web Technologies: HTML, CSS, Bootstrap, Node.js, Express.js
Databases: Firebase realtime database, MySQL, MongoDB, NoSQL, Realm
Services: Heroku, Firebase, Digital Ocean, AWS-EC2, S3, RDS
Tools: XCode, Android Studio, CocoaPods, Salesforce, Adobe XD, Test Flight, Github, Bitbucket

WORK EXPERIENCE

Graduate research assistant at **UNC Charlotte**   Jan 2020 - PRESENT
- Developing an iOS application that focuses on women health.
- People participating in this research project can use the app to log meal, exercise and glucose entries.
- These entries will be monitored by UNCC Health Lab to help them achieve their fitness goals.

Graduate teaching assistant at **UNC Charlotte**   Aug 2019 - Dec 2019
- Worked as a teaching assistant for the course Mobile Application Development (ITIS/CS - 5180)
- Managed class of 70+ students, analyzed and graded their homework, assignment and projects.

iOS developer intern at **Amissa, Charlotte**   June 2019 - Aug 2019
- Developed an iOS application with independent Watch kit extension for caregivers to monitor the health and location of Alzheimer's patients and send alerts for any possible incidents.
- Utilized Healthkit and sensors such as heart rate sensor, gyroscope to detect the patient's vital signs in real-time.
- Used Firebase REST API to authenticate users and store collected data from the watch.
- Deployed the application to test flight and ensured version control using Git to support agile development plan.

Associate software engineer at **Accenture Solutions Pvt. Ltd, Pune**   Feb 2018 - Jul 2018
- Configured Salesforce application to suffice the requirements of client in pharmaceutical domain.
- Modified the application according to the client's suggestion in incremental sprints to ensure the expected product is delivered in the next release. Utilized salesforce lightning to make the user interface interactive and easy to use.

PROJECTS

Smart grocery store   [Swift, Braintree, Bluetooth beacons, Amazon EC2]
iOS application that uses Bluetooth beacon to discover the closest aisle and provide the user a list of discounted products placed on that aisle. Braintree payments API is used to process the payments.

BLE home automation   [Swift, BLE, Adobe XD]
iOS application that communicates with smart BLE bulb to read and control various characteristics such as power, temperature, and emergency alarm.

Social ridesharing application   [Java, Firebase, Google Maps]
Android Application that provides ride sharing functionality in chatrooms. Users can put up a request for a ride in chatrooms and other uses in that chatroom can respond to that request. Google maps and Firebase will help the rider to see the driver's live location.

Trip planner   [Android, Firebase, Google Geocoding, Google places]
Android application that helps users to plan a trip and view the itineraries of other users. User can search for tourist attractions near the selected city using Google Places & Google Geocoding API. Integrated Firebase authentication to manage multiple users.

Campus stories   [HTML, CSS, Node.js, MongoDB, Heroku]
This website enables you to setup a social environment in the university. Students can add new posts and read posts about what's happening around the campus.