AMEYA R SHETYE

© (917)-324-2450 | shetye.ameya.7@gmail.com | https://www.linkedin.com/in/shetyeameyasmu

APPLICATION DEVELOPER.

Summary:

A Motivated Engineer with a masters degree and 3 years of relevant emphasis on mobile application development; Expertise in Xcode and SWIFT-3.

Technical Skills:

- **Scripting Languages:** C, C++, Java, Objective C, Swift, Python.
- **Servers :** Parse, Heroku, Mongodb Amazon web services.
- **Projects On:**, MySQLite, Software Development Cycle, JQuery, Restful service, JSON, AWS, Navigation System and Geolocation, Core Data, Core graphics, Facebook Integration, Sprite Kit, OOP, Push Notifications. Git(Version Control),Unit Testing, Bluetooth(Bluetooth low energy), IOT Camera, Firebase, cocopods, Protocol Oriented Programming, Back-end APIs, Core Animation, , Auto-layout, UI/UX design, unity, HTML, node.js, Design patterns(MVC,MVVM)
- **Operating Systems:** Windows, Linux, Mac.
- **Software:** Xcode, Android Studio, Xming, Quartus II, Putty, Cisco Packet Tracer, MATLAB, sketch 3.
- **Testing:** Appium, Selenium. Jira

Education:

Master of Science: **Electrical Engineering** May 2016

Southern Methodist University Dallas, Texas

Bachelor of Science: **Electronics Engineering** June 2013

University of Mumbai Mumbai, India

Work History:

Webspun LLC Jan 2017- Current

- Working on a new stock Exchange application. It helps the user to check his spending's on stocks and helps him to maintain his account.
- Swift is the major language used, a bridging header is created between objective C and swift for the yahoo finance API.
- Created an authentication page for an application as a prototype using Google Firebase. Features: Navigation Controlled, session management.
- The user can follow the stocks he likes and keep getting the updates through push notifications using DNS server.
- The data is stored using Parse open source DB.
- Yahoo Finance API is used for **machine learning.** Machine Learning: **The code compares the user stocks and finds the relative stocks, which have the same value.**
- Maintain and debugging for any errors. An example, the bug that showed the user number of stocks, which were not necessarily of the same value. Improved the user needs by finding the right match based on user likes and fluctuating market value of the followed stocks.
- Built the entire application from scratch. Using auto layouts and advanced features in swift 3.0.
- Working on the carplay and iOS watch.

Research Assistant at SMU July 2016 –Jan 2017

- Worked in a team developing a wireless network discovery and audit application, which can be used to view the devices, connected to your network.
- It has everything you need to analyze connection problems and find any computer connected to your network that should not be there.
- The language used for the project was swift.
- It provides services such as Ping, Traceroute and WoL (Wake on LAN), among many others.
- The prototype of mobile learning application storyboard that I worked on: The main module menu of the application. User may click on any preferable choices.
- The storyboard design used auto layout.
- The components module needed to make simple network connection before user can do basic configuration on router and switch. When user clicks each component there will be explanation for

- The tutorial module that provides step-by-step process on how to do basic configurations on router and switch. All basic configuration commands will be shown here so user can easily learn how to implement them.
- Jira was used for the testing purpose.

Axis Electrical PVT LTD. (Intern) May 2013 - Jul 2014

- Design: In an agile environment worked on security lightning module, taking into consideration the physical and geographical constraints developed a system that could determine the damage that could be caused in terms of life, heritage and surroundings if struck by lightning.
- Collaborated successfully with cross-functional development teams to design and manufacture new products.
- Wrote the code for calculating the damage that would be caused due to the lightning. The code was written in objective C.
- Collaborated with UI and UX team to make application user friendly by designing the icons used in the application.
- Contributed to the design and development of mobile software libraries using Maxima and KDE frameworks.
- Created efficient and fast front-ends for our consumer site, partner portals, and monetization system and maximized the speed by 15%.
- Production and Marketing- Dealt with Product Management and coordinated with international teams to promote the products and carry out the orders in organized manner and helping the marketing team with the technical aspects. Did a few presentations on the application and explained its workability.

Academic Projects: (Southern Methodist University:- Degree- MSEE) Aug 2014-May 2016

- **PROJECT ~ CALO-METER:** Using Version control Systems (git) for configuration Management, created an application that would allow the user to click a picture of a receipt or bill from a restaurant (PIZZA HUT, STARBUCKS, CHICK FIL A) to find the amount of calories. It runs the database in the application and display the amount of calories for the item/items purchased by just accessing the items mentioned in the bill. Used an OCR that is Tesseract, with the help of SQLite to check the database. Used Coredata and AVFoundation . Language used for the project was Objective C.
- **CHAT APP:** Developed a simple user chat application where the user can connect with his friends using the same application through Bluetooth. Language used was objective C.
- **FOLLOWER:** This application helps the user remember the people it is following and the people that are following the user. Created a database using Parse and Heroku. The user can follow or un-follow any user. It was similar to the Instagram following mechanism. Language used was Swift.
- **WEATHER APP:** Using the tableView, datasource and delegate created an open weather API which would continuously be updating it self in the background to receive current updates. Used Alamofire to download data from API.
- **DICE GAME:** Built a simple guessing game in which the user has to correctly predict the number on the dice. The user can bet 5 or 10$ also he has to choose if the number will be an odd or an even number. Alerts have been used to keep the game more interactive and fun. Used Coredata, CoreAudio. Language used Swift.

Certifications

- IDEMI (Institute for Design of Electrical Measuring Instrument) Embedded Systems.
- CCNA- Routing and switching trained.