

Harshitha K V

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EDUCATION

Master of Science, Computer Science

University of North Carolina at Charlotte, Charlotte, NC, USA, GPA- 4.0/4.0

May 2020

Bachelor of Engineering, Computer Science

Visvesvaraya Technological University, India, Karnataka, Bengaluru GPA- 3.7/4.0

July 2015

PROFESSIONAL EXPERIENCE

University of North Carolina, Charlotte, NC

Aug 2019– May 2020

Graduate Teaching Assistant

- Proven to be an approachable Teaching Assistant for the course ITSC 6160 / 3160 – Database Systems /Database Design and Implementation by enhancing learning via academic experience and examples.
- Responsible for tutoring and mentoring, creating in-class activities, assisting in projects and programming assignments for 100 graduate students.

BrandSystems, Bengaluru, India

Sept 2016 – April 2018

Software Engineer

- Created and developed Load Tested scripts using JMETER and BLAZEMETER. Executed in AWS CloudWatch to create simulated peak load conditions by creating thousands of virtual users.
- Performed Manual Testing and Load Testing on BrandSystems Marcom Manager Suite. Performed defects tracking, Stress testing, Regression testing until the closure using Bit-Bucket.
- Analyzed client requirement on functionalities, written, executed test cases manually and prepared Test reports.

IBM, Bengaluru, India

July 2015 – July 2016

Technical Services Specialist

- Developed IBM Tivoli Monitoring agents providing monitoring solutions for the clients, for distributed operating systems and applications. Worked on incident problem and change management
- Performed version control for these agents in the form of patches and fixes on all Tivoli Monitoring Component.

PROJECTS

- Weather & News Search Application (Kotlin – Android)** April 2020
Developed an 100% Kotlin Android application for City search weather and news. The application is built on MVVM Architecture and Androidx libraries. Multiple API calls with Retrofit -Kotlin Coroutines, Okhttp and GSON parsing, LiveData, Koin Dependency Injection, Picasso, RecyclerView, Google's Material Design, WebView, JetPack Navigation, SharedPreferences
- Todo - Note Application (Kotlin - Android)** March 2020
Built a complex, scalable, modular Notes Application using MVVM Architecture and AndroidX Libraries. The application uses Room, SQLite, LiveData, Coroutines, Toothpick dependency injection. Display using Fragments with JetPack Navigation, RecyclerView with adapterView, customViews, Junit Testing.
- QuotesEra Android Application, [Google Play Store](#)** February 2020
Developed an Android Application for daily quotes that is launched to Google Play Store. The application uses MVVM design pattern with Androidx libraries. Service calls using Retrofit, RxJava, RxAndroid, OkHttp and GSON library for parsing. Data storage using Room, SQLite, and LiveData. Display using Fragments with JetPack Navigation, recurring local notification to notify user of daily quotes.
- Destinations (Android Application) - Mobile Application Development, UNC Charlotte** December 2019
Developed a trip planning application using Google Authentication, Google Firebase, Firestore Cloud Database and Firebase Storage. Application allows users to select their own destinations using Google Places API and Google Autocomplete. Users can Add/ remove members to the trip. Chat with the members of the trip using different CustomRecyclerView. The application is built using Fragments using JetPack Navigation Controller.

TECHNICAL SKILLS

- Languages:** Java, Kotlin, Python, JavaScript, SQL.
- Mobile Application Development:** Android Studio, Architecture Components, Android (SDK), OkHttp, Retrofit, RxJava, RxAndroid, Kotlin Coroutines, Dependency Injection(Koin, Toothpick), LiveData, Web API, Custom views, Picasso, Glide, Google Analytics, MVC/MVVM, Material Design, Gradle, Android JetPack Navigation, SQLite, Room, Firebase, Junit testing.
- Web Development:** Django, HTML, NodeJS, ExpressJS, CSS, PHP, MongoDB, MySQL
- Tools:** GIT, Gitlab, Eclipse, Postman, Marcom Manager suite 3.2, Jmeter, Blazemeter (CloudWatch), ServiceNow, Atom, ITM 3.6

CERTIFICATIONS

- Complete Kotlin Coroutines Development** course, Udemy April 2020
- Intermediate Android Development and Kotlin**, Udemy March 2020
- Cambridge Certification Authority (CCA) Java Level 1** June 2019