Harshitha K V

Charlotte, NC, USA | www.harshithakv.com | www.linkedin.com/in/hkeshava
(919)-599-7786 | hkeshava@uncc.edu | https://github.com/harshkv

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

- **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 to store and sync notes. The application uses Coroutine calls with Toothpick dependency injection. Display using Fragments with JetPack Navigation, RecyclerView with adapterView, customViews.
- **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, OkHttp and GSON library for parsing. Data storage using Room, SQLite, and LiveData for synching data. Display using Fragments with JetPack Navigation, RecyclerView using google's Material Design guidelines. 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 and Add/ remove members to the trip. Chat with the members of the trip using different CustomRecyclerView. The application is build using Fragments using JetPack Navigation Controller.
- **News Application (Android) -** Mobile Application Development, UNC Charlotte **August 2019**
  The application retrieves JSON data, by making RESTful API calls, performs JSON parsing, performed string manipulation to dictionary of keywords. Displaying results using Custom Adapter List-View, Recycler-View, WebView. Performs all retrieval tasks in Async tasks, Concurrency and Thread Communication (Async/thread pools), HTTP Connection (GET/POST/interfaces), OkHttp, web API, image loading through Picasso. The users can select source of news and select news to read using different Views.

TECHNICAL SKILLS

- **Languages:** Java, Kotlin, Python, JavaScript, SQL.
- **Mobile Application Development:** Android Studio, Architecture Components, Android (SDK), OkHttp, RetroFit, LiveData, Web API, Kotlin Coroutines, Dependency Injection- Toothpick, Custom views, Picasso, Glide, Google Analytics, Google Play Services, MVC/MVVM, Postman, XML, JSON, Material Design, Gradle, Android JetPack Navigation, SQLite, Room, , Firebase.
- **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

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