

# Deep Rajesh Furiya

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## EDUCATION

### Master of Science in Computer Science

The University of North Carolina at Charlotte

August 2022 - Dec 2023

### Bachelor of Engineering in Computer Science & Engineering

Shah and Anchor Kutchhi Engineering College, Mumbai University

August 2017 - July 2021

## TECHNICAL SKILLS

**Languages:** Kotlin, Java, PHP, JavaScript, SQL

**Mobile App Development:** AndroidX, MVVM, Fragments, XML, GSON, Okhttp, Retrofit, Coroutines, LiveData, Picasso, JetPack Navigation, SharedPreferences, Firebase, RESTful Services, SQLite

**Web Development:** HTML5, Bootstrap, Propel, CSS, jQuery, AJAX, JSON, NodeJS, ReactJS

**Tools:** GIT, SQL Server, Android Studio, Google Analytics, MS Office, Adobe Photoshop

**Databases:** MySQL, SQLite, MongoDB, Firebase, Oracle, Cloud, AWS

**Operating Systems:** Windows, IOS, Linux

## WORK EXPERIENCE

### Graduate Teaching Assistant | University of North Carolina

Jan 2023 - Present

- Teaching Assistant for the course Mobile Application Development based on Java for a student strength of 54, primarily focused on Android mobile application development with interaction of remote web services and parsing JSON and XML. Responsible for mentoring students, analyzing data, clearing doubts, and grading assignments.

### Research Assistant | University of South Carolina

June 2023 - Aug 2023

- Developed backend scripts for PHP server and created RESTful APIs in Propel using Object-Relational Mapping to enable communication between the app and the MySQL database, allowing seamless data reading and writing.
- Created and managed SQL database to store and retrieve data used by the application.

### Full Stack Developer | Top 10 Mobiles

Aug 2021 - July 2022

- Developed a web-based ERP software using HTML, Bootstrap, PHP, NodeJS, and MySQL with integration of Role-based access control (RBAC).
- Designed and implemented billing module, vendor management, inventory module and geolocation features for user access restriction and image compression using JavaScript for efficient storage of employee attendance check-in snapshots.
- Streamlined processes and improved efficiency by automating customer notifications through API integrations and providing a centralized task management dashboard.
- Created scheduled tasks for server backup and integrated GitHub actions for efficient workflow.

## RELEVANT PROJECTS

### Daily News Mobile Application | *Android, Kotlin, Firebase*

- Developed a Kotlin Android application for city news. The application is built on MVVM Architecture and AndroidX libraries. Multiple API calls with Retrofit-Kotlin, Coroutines, Okhttp and GSON parsing, LiveData, Picasso, RecyclerView, Google's Material Design, WebView, JetPack Navigation, SharedPreferences

### Messaging Mobile Application | *Android, Java, Firebase*

- Created a messaging application using Google Authentication, Google Firebase, and Firebase Storage. The application is built on MVVM Architecture and AndroidX libraries. All information is retrieved using RESTful API calls in an Async Task, ListView, RecyclerView. Performed JSON parsing on retrieved data.

### Trip Manager | *Android, Java, Google Maps SDK, Firebase*

- Developed a trip manager application using Google Maps API and Google Cloud Database. The application is built on MVVM Architecture and AndroidX libraries. Accurate Location Tracking using GPS and Live Maps Preview of Trip details in Fragments and RecyclerView using Google Maps API.

### Trading Web App | *NodeJS, ExpressJS, MongoDB*

- Developed a fully dynamic content sharing web application, using Node.js, Express.js, JavaScript, and MongoDB. 'Phoneify' meets the MVC design pattern with EJS template pages for the presentation, routes for the controller, and JavaScript data objects for the business logic.