

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

Coursework: Computer Communication and Networks | Network Based Application | Mobile Application Development | Computer Architecture | Data Structures and Applications | Machine Learning | Cloud Computing and its Application | Database Management System | Web Development | Computer Graphics | Data Structures

TECHNICAL SKILLS

Languages: C++, Java, Kotlin, PHP, SQL

Operating Systems: Windows, IOS, Linux

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

Framework: HTML5, Bootstrap, JavaScript, CSS, jQuery, JSON, NodeJS, ReactJS, Django, RESTful Services, AJAX, XML, D3.js, AndroidX, MVVM

Tools: GIT, IntelliJ Idea, Android Studio, OKHTTP, Google Analytics, Picasso, Retrofit-Kotlin

WORK EXPERIENCE

Research Assistant | University of South Carolina

June 2023 - Present

- Developed backend scripts for PHP server of the mHealth app, a mobile application focused on calculating BAC (Blood Alcohol Content) and providing users with information on alcohol intake, side effects, and precautions.
- Created and managed SQL database to store and retrieve data used by the mHealth app.
- Implemented RESTful APIs to enable communication between the mobile application and the MySQL database, allowing seamless data reading and writing.

Graduate Teaching Assistant | University of North Carolina

Jan 2023 - May 2023

- 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.

Full Stack Developer | Top 10 Mobiles

Aug 2021 - July 2022

- Developed a web-based application for invoice and inventory management using HTML, Bootstrap, PHP, and MySQL.
- Created an attendance management system with role-based data access permissions using HTML, NodeJS, ReactJS, Bootstrap, and MySQL.
- Implemented geolocation features for attendance restriction and integrated image compression using JavaScript for efficient storage of employee check-in snapshots.
- Streamlined processes and improved efficiency by automating customer notifications through API integrations, digitizing workflows, and providing a centralized task management dashboard.

RELEVANT PROJECTS

Daily News Mobile Application | *Technologies used: 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 | *Technologies used: Android, Java, Firebase*

- Created a messaging application using Google Authentication, Google Firebase, Firestore Cloud Database, 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.

Trading Web App | *Technologies used: 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.