# 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

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|---|---|
| **Languages:** | C, C++, Python, Java, PHP |
| **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 |
| **Tools:** | GIT, IntelliJ Idea, Android Studio, Firebase, OKHTTP, Google Analytics, Picasso |

## WORK EXPERIENCE

**Graduate Teaching Assistant | University of North Carolina** **Jan 2023 - Present**

- Teaching Assistant for the course Mobile Application Development for a student strength of 54 based on **Java**, 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 Web Developer | Freelancer** **Dec 2020 - Mar 2021**

- Developed an attendance management system with various data access permissions according to the user roles with the technologies HTML, NodeJS, ReactJS, Bootstrap, and MySQL.
- Utilized geolocation features to restrict users from marking attendance.
- Integrated image compression for storage of check-in snapshots of employees.
- Enabled import and export of user attendance data for analytical and business requirements.

**Full Stack Web Developer | Freelancer** **Jan 2020 - Nov 2020**

- Developed a web-based application for invoice and inventory management with the help of HTML, Bootstrap, PHP, and MySQL.
- Successfully created and integrated RESTful APIs for data manipulation.
- Designed and developed different UI flows for various user roles in accordance with their role entitlement.
- Optimized application for dynamic usage on desktop and mobile devices.

## RELEVANT PROJECTS

**Messaging Mobile Application | *Technologies used: Java, Android Studio, Firebase***

- Created a live chatting application that includes Firebase authentication and provides live messaging capabilities between multiple users at the same time. Also, integrated delete message and delete chat features with additional updates of favorites and likes over the messages.

**Blood Alcohol Concentration Calculator | *Technologies used: Java, Android Studio, Firebase***

- Created an application where the user is able to calculate the alcohol percentage consumed in the body and also how many more drinks can be taken. The data is stored in the Firebase database with respect to the users. Also integrated API features to access data from the server with instant modifications through API requests.

**Trading Web App | *Technologies used: ExpressJS, NodeJS, MongoDB***

- Developed a web based mobile trading platform using HTML and Node.js. Implemented user roles and authentication features for secure access. Incorporated offers accept and reject features to enhance the user experience. Saved user data to the MongoDB database for seamless storage and retrieval. Ensured web app security using Node.js to prevent unauthorized access.

**Fake Tweet Detection using Machine Learning | *Technologies used: Python, Django, PyScript, Twitter API***

- Developed a web application for detecting fake tweets using machine learning. Integrated the Twitter API, Naive Bayes Classifier, and Logical Regression for accurate predictions. Trained the model with a large dataset to improve accuracy. Connected the website with the backend machine learning algorithms using Django and PyScript. Provided a user-friendly interface for inputting tweet links and obtaining results.
- Publication: https://ieeexplore.ieee.org/document/9645809