

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, 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

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 for efficient storage of employee check-in snapshots.
- Streamlined processes and improved efficiency by automating customer notifications, digitizing workflows, and providing a centralized task management dashboard.

RELEVANT PROJECTS

Messaging Mobile Application | *Technologies used: Android, Java, 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.

Trading Web App | *Technologies used: HTML, NodeJS, Express, 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>