

Mohammed Ahmed Zakiuddin

[GitHub](#) | [LinkedIn](#)

ahmedzaki372100@gmail.com | 682-246-0581

EDUCATION

THE UNIVERSITY OF TEXAS AT ARLINGTON, USA
BS IN COMPUTER SCIENCE

2019 - Expected (May 2023)

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C#, C, SQL, React JS.
- **Familiar Languages:** C++, Bootstrap, Node JS, Dart, Kotlin, Ado.Net, jQuery.
- **Databases :** SSRS, MS SQL, PostgreSQL, SQLite.
- **Frameworks:** Express, React Native, ASP. NET MVC, .NET Core, Scrum, Flask, Rest APIs, Flutter.
- **Cloud & Operating Systems:** Windows, Linux, Firebase, AWS EC2, S3, Lambda, VPC, Cloud Front, DynamoDB.
- **Tools:** Visual Studio, Android Studio, IntelliJ IDEA, gcc, gdb, Git.

WORK EXPERIENCE

DAR AL RIYADH | WEB APPLICATION DEVELOPER

May 2022 – August 2022

INTERNSHIP | Riyadh, KSA

- Responsible for writing, designing solutions for applications and improving functionality using **.NET Framework** (C#, SQL, jQuery, CSS).
- Created a survey analysis web application using ASP .NET for DAR management which enables them to measure Manager Effectiveness Level using MEP “Manager Effectiveness Program”.
- Developed a survey analysis system and made use of the **SSRS** to display the dashboard report which was a key component of the project.

UNIVERSITY OF TEXAS | MACHINE LEARNING

January 2022 – May 2022

RESEARCH ASSISTANT | Arlington, TX

- Created different datasets of different sizes, sample rate seasons, etc. to test NILM algorithms in **Python**.
- Worked with real IoT dataset of energy consumption - data cleaning, reformatting, data analysis and preparing data for NILM algorithms.

UNIVERSITY OF TEXAS | PRODUCT DEVELOPMENT

May 2019 – August 2019

STUDENT ASSISTANT | Arlington, TX.

- Assisted the technology team in developing software to optimize the use of available disk space.
- Created a program that takes in user input for name, email, timing, and room using the **Java** GUI branch.
- Used File IO and data structures for simplicity and ease of programming.

PROJECTS

FISH QUEST | REACT JS | POSTGRESQL | EXPRESS JS | NODE JS

- Developed a mobile app to help anglers learn about the types of fish they can catch and, if they have any preferences, the ideal locations to capture them. With this app, users can find their favorite species to fish for by just scrolling across the map.
- The app offers a social feed where users can upload, like, comment, and share their catches. It also uses machine learning data models to assist users identify the species of fish they caught and LIDAR sensors to estimate the fish's height and weight.

IMAGE PROCESSING | PARALLEL PROGRAMMING | C

- Developed a program that uses multi-threading to speed up the process of processing images and movies by utilizing many CPUs.
- Multithreaded an existing single thread application, resulting in an **500%** improvement in efficiency.

EXPENSE TRACKER | DART

- Developed a **Flutter** app that allows users to register using their email address or phone number.
- This application uses **AI and Machine Learning** to help people stay financially stable by allocating their money properly.
- The client application was built in **Dart & Firebase Database** was used for data storage and to achieve real-time updates.

CRYPTO PORTFOLIO TRACKER | JAVA

- Developed a cryptocurrency portfolio application that collects the most recent market data feeds and maintains track of your trading activity, gains, and losses using **Java** and **Rest APIs**.

SOCIAL MEDIA PROTOTYPE | PYTHON | SQL

- Designed an ER-model and translated the model to relational schema and implemented a desktop application using **Python** and **Flask**.
- Built an end-to-end web application a dynamic web application that allows users to post, update, delete in real-time.
- Developed a UI using **HTML** and **CSS** while using **MySQL** for database connectivity.

FAT32 | FILESYSTEM | C

- Created a user-space file system that can open fat-32 disc images and lets users to navigate the file system and perform file system operations like copying, delete, undelete and reading.

ACHIEVEMENTS

- Member of Honors College at UTA, 2019 – 2022.