

SHOAIB HUQ

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Education

University of Texas at Dallas
Bachelor of Science in Computer Science

Fall 2021 – Spring 2025
GPA: 3.53

Experience

Routora

Software Engineer

November 2022 – Present
Dallas, TX

- Engineered and launched a cutting-edge iOS/Android application for optimizing multi-stop routes
- Developed production-grade screens with TypeScript using Expo for React Native, ensuring a seamless user experience and reducing app load times by 40% through code optimization.
- Routora serves over 25,000 users in 70 countries, including Amazon drivers, realtors, and small business owners, collectively saving drivers more than 1 million miles.

Wells Fargo

Software Engineering Intern

June 2024 – August 2024
Dallas, TX

- Designed and implemented ETL pipelines using Python, SQL, and PySpark to transform and integrate home lending data into fixed-width file formats, enhancing data accessibility and processing efficiency.
- Optimized data processing workflows, increasing data integrity, and boosting operational efficiency by 20%.
- Collaborated with cross-functional teams to align data engineering solutions with business requirements, contributing to improved project outcomes and stakeholder satisfaction.

Wells Fargo

Software Engineering Intern

June 2023 – August 2023
Dallas, TX

- Implemented feature-rich authentication screens using React and Jest, achieving over 90% code coverage through comprehensive JavaScript unit testing.
- Boosted team collaboration by leading code reviews, resulting in higher code quality and increased team productivity.
- Deployed authentication screens across 4,700 branches, enhancing identity verification for branch bankers and tellers.

Autism Treatment Center of Texas

Software Developer

February 2022 – May 2022
Dallas, TX

- Led the development of a highly efficient web application for clinical services, streamlining patient data documentation and boosting overall clinical productivity.
- Implemented a patient data caching system using NextJS, NodeJS, and MongoDB, reducing data retrieval time by 40% and significantly enhancing clinical efficiency and patient care.
- Successfully deployed the system to over 2,500 patients, transitioning from an outdated paper-based medical record system, eliminating over 5,000 pages of paper records, and increasing productivity for 250+ staff members.

Projects

Driver Advisor | *SwiftUI, CoreML, CreateML, ARKit, UIKit*

November 2022

- Developed a mobile application leveraging a custom-trained machine learning model to identify and communicate street signs, enhancing driver safety and awareness.
- Trained the ML model and integrated it with the device's back camera to accurately recognize road signs in real-time, utilizing SwiftUI and ARKit for seamless user experience.
- Achieved 1st place in the Toyota Sponsor category and 2nd place overall at HackUTD IX, the second-largest 24 hour hackathon in the United States.

Technical Skills

Languages: Swift, JavaScript, TypeScript, Java, Python, HTML/CSS, SQL, C/C++, C#

Frameworks/Libraries: SwiftUI, UIKit, React, Vue, Expo, React Native, NextJS, NodeJS, ARKit, Jest, PySpark, Jest

Backend Tools: Firebase, Parse, MongoDB, REST, Terraform, AWS

Certifications: AZ-900 - Azure Fundamentals

Leadership / Extracurricular

Association for Computing Machinery (ACM)

December 2023 – Present

Vice President

UTD Chapter

- Lead and oversee 8 divisions with over 200 officers, promoting collaboration and organizational growth
- Boosted student engagement by 57% year-over-year, impacting more than 1200 engineering students
- Spearheaded the chapter's success in securing the Outstanding Chapter Activities Award for 2023-2024, outperforming 680 global chapters