

TALHA TAHMID

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Education

The University of Texas at Arlington

Honors Bachelor's in Computer Science, CGPA: 3.75

Arlington, Texas

Expected Graduation May 2026

Skills

Languages & Frameworks: C, C++, Python (Pandas, NumPy, Matplotlib), Java, Kotlin, JavaScript, HTML, CSS, React JS, React Native, Next JS, Node JS, TypeScript, Swift, C#, ASP .NET

Databases & Tools: Git, Google Analytics, MongoDB, Firebase, SQL (MySQL, SQLite), AWS, Azure

Concepts: Object-Oriented Programming, Data Structures & Algorithms, Machine Learning, API Integration

Work Experience

Web Developer

Arlington, TX

The University of Texas at Arlington

May 2023 - Present

- Collaborated in a team to develop and maintain departmental websites, enhancing user experience with HTML, CSS, and JavaScript, resulting in a 20% increase in user engagement.
- Analyzed and audited website performance, accessibility, and web analytics using Siteimprove to ensure all web pages function properly.
- Worked closely with technical and non-technical personnels to enhance website functionality, improving accessibility compliance by 4x.

React Native Developer

Arlington, TX

Qweek.ai | qweek.ai

January 2024 – September 2024

- Developed Android and iOS share extensions using XCode, a key feature enabling direct image sharing to the app, significantly enhancing user engagement.
- Collaborated in an Agile team to refine UI and authentication process, leading to a more intuitive user experience and reinforced app security.
- Led API integration, leveraging cloud-based services to improve data processing efficiency by 35%.

Projects

Trasva | trasva.com

July 2024 - Present

- Built a full-stack travel platform allowing users to share and explore travel experiences, with integrated features for account creation, image uploads, and social interactions like reactions, comments, sharing.
- Enhanced user experience by implementing interactive social features, including reactions, comments, sharing, following, and image uploads, with dynamic geolocation-based content filtering for personalized travel discovery.
- Optimized performance using modern web technologies including Next.js, TypeScript, and MongoDB.
- Integrated Clerk for authentication, Uploadthing for seamless file uploads, and Google Maps API for location-based services.

Goblin- Expense Tracker | [Github](https://github.com)

- Created an enterprise-level Expense Tracker application in ASP.NET Core MVC using SyncFusion Components.
- Implemented CRUD operations for Category and Transaction, with grid functionality including paging and sorting.
- Designed an interactive dashboard with charts for visualizing expenses and a dockable sidebar for easy navigation.
- Utilized ASP.NET Core MVC to create a scalable and robust application architecture.

Service Request System | [Github](https://github.com)

- Developed an Android application enabling users to initiate service requests and connect with service providers, using Android Studio, Java, Kotlin, and Firebase.
- Collaborated with end-users to understand their service needs, refining the app's features to meet functional business requirements and improve user satisfaction by 40%.
- Executed the project using the Waterfall Model, producing detailed documentations of UML diagrams, System requirements, a test plan, and adhering to a structured development and testing process.

CBRE Asset Management | [HackSMU](https://hacksmu.com)

October 2023

- Engineered a highly accurate machine learning model using Python for the early identification of maintenance needs in commercial building assets; led to a 20% increase in overall operational efficiency.
- Spearheaded the application of K-means clustering to perform predictive maintenance on various assets, resulting in a 15% reduction in maintenance costs.

Leadership Experience

Association for Computing Machinery

Officer

- Project Manager for utagrades.com, leading a team of 30 in an open-source project for enhanced class registration.
- Oversaw multiple assignments, delivering technical solutions under tight deadlines and ensuring project success.

Awards

- Winner, UTA Datathon 2023 (Category: Data Annotation)
- National Finalist in Juvenile Programming Contest, Bangladesh (Python).