# TALHA TAHMID

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## Education

**The University of Texas at Arlington**                                                **Arlington, Texas**
Honors Bachelor's in Computer Science, CGPA: 3.75                        **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***

- 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***

- 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***                                                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 mavgrades.com, leading a team of 30 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)
- Best Use of MongoDB Atlas | HackSMU VI (2024)
- 2$^{nd}$ Place Winner, Best Use of Databricks | HackUTA 6 (2024)