TALHA TAHMID

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Education

The University of Texas at Arlington — **Arlington, Texas**
Honors Bachelor's in Computer Science, CGPA: 3.75/4.00 — **Expected 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
Databases & Tools: Git, Google Analytics, MongoDB, Firebase, SQL, MySQL, AWS
Concepts: Object-Oriented Programming, Data Structures & Algorithms, Machine Learning, API Integration

Work Experience

React Native Developer — **Remote**
Qweek.ai | *qweek.ai* — *January 2024 - Present*
- 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%.

Web Developer — **UTA, 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 audit 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 400%.

Personal 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.
Used Clerk for authentication, Uploadthing for seamless file uploads, and Google Maps API for location-based services.

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
- Developed 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.

Pattern Recognition Using Machine Learning — **UTA**
SCRF OURCS — *January 2023*
- Implemented K-Nearest Neighbors (KNN) algorithm for movie recommendations based on ratings.
- Utilized a dataset of over 100,000 ratings, performing data splitting and creating a sparse matrix.
- Achieved an impressive 87% accuracy rate for the movie recommendation system, outperforming the initial target of 80%.

Leadership Experience

Association for Computing Machinery
Officer
- Worked on projects under ACM creating amazing tools to enhance UTA students experience.
- Initiated multiple assignments and delivered technical solutions under tight deadlines.

Awards

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