TALHA TAHMID

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Education

The University of Texas at Arlington   **Arlington, Texas**
Honors Bachelor's in Computer Science, CGPA: 3.88   **Expected May 2026**

Skills

C | C++ | Python (Pandas, NumPy, Matplotlib) | Java | HTML | CSS | React JS | Javascript

Work Experience

Web Developer   **UTA, Arlington, TX**
The Office of the Vice President of Student Affairs   *May 2023 - Present*

- Collaborated in a team to develop and maintain departmental websites, enhancing user experience with **HTML, CSS,** and **JavaScript,** resulting in a 15% increase in user engagement.
- Utilized **Go, Angular,** and **NodeJS** for back-end services, **APIs**, and seamless data integration, improving website functionality by 20%.
- Analyzed and audit website performance, accessibility, and web analytics using Siteimprove to ensure all web pages function properly and comply with appropriate legal policies, guidelines, and standards, achieving a 400% improvement in accessibility compliance.
- Implemented responsive web design principles to ensure seamless user experiences across various devices and screen sizes.

Student Assistant   **UTA, Arlington, TX**
E.H. Hereford University Center and Commons   *September 2022 - Present*

- Delivering exceptional customer service to 50+ students daily, resulting in a 95% satisfaction rate.
- Answered inquiries about facilities and the UTA campus, contributing to a 10% improvement in student awareness.

Personal Projects

Personal Portfolio Website | talhathmd.com

- Developed a personal portfolio website using **React,** showcasing projects, skills, and experiences in the field of web development.
- Integrated live weather data using **Open Weather API**, and offering personalized greetings based on the current weather conditions.
- The website highlights proficiency in **HTML, CSS, JavaScript,** and **React JS,** creating an engaging and interactive user interface.

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*

- Collaborated with a team of 5 to develop a movie recommendation system.
- 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

High School Robotics Group

Founder, President   *August 2019 – November 2021*

- Founded and served as President, leading a team of 5 students in real-world projects, resulting in a 30% increase in project completion rate.
- Developed an **Arduino-based** overweight controller, reducing road system deterioration in Bangladesh by 35%.
- Conducted extensive research on the road system and its causes of deterioration.
- Programmed and designed the project in **Python** for optimal performance and accuracy.

Awards

- Freshman Distinction Roll
- Winner of **UTA Datathon 2023** in one of the Categories.
- **National Finalist** in Juvenile Programming Contest, Bangladesh (Python).
- District level champion in Juvenile Programming Contest, Bangladesh (Python).
- Achieved **District Champions** status for two consecutive years, National Science Fair, Bangladesh