Saniah Safat

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Education

The University of Texas at Arlington **Arlington, Texas**

Honors Bachelor of Science in Computer Science and Engineering GPA: 3.7 *Graduation Date: August 2024*

- Minor in Mathematics
- Awards and Distinctions: Honors College Graduate, Maverick Advantage Distinction, Freshman Distinction Roll, Recipient of Maverick Academic Scholarship, UTA MaverickBusiness Pitch(MavPitch) November 2023 series winner

Work Experience

Parkland Center Clinical Innovation (PCCI) *Dallas,Texas*

Sachs Summer Scholar Intern *May 2024 - Present*

- Engineered cross-disciplinary solutions for clinical and operational efficiencies, leveraging advanced analytics and technology integrations.
- Spearheaded interdisciplinary projects integrating analytics and technology to optimize healthcare outcomes and promote women representation in Data Science.

Academic Success Center *Arlington,Texas*

Supplemental Instruction Leader and UTA Athletics Academic Services *August 2023 - May 2024*

- Conducted collaborative study sessions for introductory CSE classes.
- Assisted federally funded athletics students in computer science and information systems courses.

Skills

Programming languages:	C/C++, Java, Python, SQL, Kotlin, HTML, CSS, JavaScript
GUI Experiences:	JavaFX and Swing, Android Studio,
Communication:	Trilingual (English, Hindi, Bengali)
Other Soft Skills:	Public Speaking, Team Management, Critical Thinker, Punctual, Multi-tasker

Projects

Housing Prediction *Backend: Python, (March 2024 – May 2024)*

- Conducted in-depth EDA on a housing dataset to identify crucial trends and inform predictive regression and classification models for price estimation and property categorization.
- Leveraged regression and classification models to predict house prices and categorize properties, improving transparency and decision-making in the real estate market.

Effectivity Analysis on Hybrid Recommendation System *Backend: Python, (December 2023 – May 2024)*

- Developed a hybrid recommendation system for my undergraduate capstone project, using various filtering methods and logistic regression to enhance algorithm understanding and performance evaluation.
- Demonstrated the efficacy of a multi-faceted recommendation approach through comparative analysis, significantly improving e-commerce user experience and providing actionable insights for optimizing online platforms.

E-Commerce Web Application *Backend: Python, Frontend: HTML, CSS, (August 2023 – May 2024)*

- Engineered SmartRecs, a recommendation system for small e-commerce businesses using advanced algorithms to provide personalized shopping experiences comparable to larger competitors.
- Implemented advanced analytics to dynamically tailor product suggestions, boosting customer satisfaction and competitive edge for small businesses.

Library Management System *Backend: SQL, Frontend: Python, (April 2023 – May 2023)*

- Developed a user-friendly GUI interface using Python and SQL to perform variety of functions, such as query execution and result retrieval.
- Implemented dynamic input parameter handling and query execution functionality, which enabled the users to interactively provide input and retrieve query results in real-time.

Volunteering Work

- Serving as VP of Marketing for Engineering Student Council (August 2023 – present)