

Arbbaz Alif Abdul Shafeeq

Dallas, TX (Open to Relocate) | (832) 880-9292 | arbbazalif.as@gmail.com | <http://www.linkedin.com/in/arbbazalif> | <https://arbbazalif.github.io/>

EDUCATION

The University of Texas at Dallas

M.S., Business Analytics and Artificial Intelligence (STEM)

May 2026

GPA 4.00

Vellore Institute of Technology, Chennai, India

B.Tech., Electrical and Electronics Engineering

Jun 2024

GPA 3.62

TECHNICAL SKILLS

- **Programming Languages:** Python, R, SQL, MongoDB
- **Tools:** Microsoft Azure, Hadoop, Spark, Lang chain, RAG, MS Excel, Tableau, Lucid Chart, MS Office, Canva
- **Soft skills:** Data-Driven Decision Making, Understanding pain points, Translating Data into Insights

PROFESSIONAL EXPERIENCE

RAX Tech International, Chennai, India

Design and Development Intern

Jun 2023 – Jul 2023

- Increased e-surveillance security by pioneering the integration of Raspberry Pi Pico and OV7670 camera, improving visual clarity by 80% with OpenCV based RGB processing.
- Developed an API using Python Flask to enhance data visualization, resulting in a 15% improvement in machine learning algorithm efficiency.
- Contributed to e-surveillance data labeling and dataset creation, enhancing algorithm accuracy by 25%.

ACADEMIC PROJECTS

AI-Powered Injury Intelligence Dashboard, UT Dallas

Mar 2025

- Built an NLP-based analysis system using TF-IDF and LLMs to process 10,000+ OSHA injury reports, extracting root causes, actions, equipment, and severity levels.
- Developed an interactive dashboard that highlighted state-wise and machinery-specific trends, reducing manual analysis time by 70%.

Online Learning Platform, UT Dallas

Aug 2024 – Dec 2024

- Designed an Online learning Platform MySQL database named Mind Matrix, enabling seamless user registration, course enrollment, and progress tracking for over 200 users with 99% data integrity.
- Optimized database functionality with complex queries, automated triggers, and stored procedures, improving data processing speed by 30% and enhancing platform scalability.

Loan Default Prediction System, VIT Chennai

Jan 2024 – Jul 2024

- Built a loan default prediction model with 91% accuracy, enhancing risk assessment.
- Conducted exploratory data analysis to identify key factors and implemented a decision tree algorithm with hyperparameter tuning, optimizing model performance and accuracy.

LEADERSHIP & ACHIEVEMENTS

- DataWhiz Hackathon, 3rd place Mar 2025
- TripAI X UTA Case Study Competition, 3rd place Mar 2025
- Business Analytics Leadership Council, UT Dallas Sep 2024 – Present
 - Student Ambassador - Led student-industry engagement by promoting events, mentorship, and professional development opportunities. <http://bit.ly/arbbazalif-balc>
- Infinity Lions Club, UT Dallas Dec 2024 – Present
 - Volunteered with the Club, supporting FMSC meal packing, fundraising initiatives, and community outreach for the underprivileged.
- Biosphere Club, VIT-Chennai Nov 2021 – Jul 2023
 - Creative Team Head - Organized events to raise awareness about global warming and climate change.