

# Khushi Gaudi

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## Education

**University of Texas at Arlington**  
*Bachelor of Science in Computer Science (GPA: 4.00 / 4.00)*  
**Relevant Coursework:** Data Structures and Algorithms (C), OOP (Java, C++), Database (MySQL), Linear Algebra (Python), Operating System, Fundamentals of Software Engineering (AndroidStudio, Kotlin)  
**Awards:** Maverick Academic Scholarship (2022-2026), College of Engineering Dean's List (2023/2024)

Expected May 2026  
Arlington, TX

## Technical Skills

**Languages:** C, Java, Python, C++, SQL, HTML/CSS, Javascript  
**Tools:** Github, Visual Studio, MySQL, Android Studio

## Projects

- Library Management System | Java, OOP**
  - Developed a Library Management System in Java by leveraging Object-Oriented Programming principles for robust and maintainable code.
  - Implemented key functionalities such as adding new books, registering patrons, check-in/check-out processes, and listing all publications.
- Celestial Connect | Android Studio, Kotlin, Firebase, RapidAPI**
  - Developed an astrology focused social media app by delivering daily readings through integrated API services.
  - Led the design phase with UML diagrams, Software Requirements Analysis (SRA), and Test Plan creation.
  - Enabled user engagement features for uploading pictures, and comprehensive login and registration functionalities.
  - Utilized Google's Firebase for secure and efficient database management, ensuring seamless user experience and data integrity.
- Doctoral Database | phpMyAdmin, SQL**
  - Designed a comprehensive PhD student database management system using Enhanced Entity-Relationship (EER) modeling.
  - Implemented the database via PHPMyAdmin, ensuring efficient data organization and management.
  - Developed a user-friendly web interface in HTML and PHP for seamless CRUD operations.
- Movie Theater Ticket Selling System | C**
  - Developed a comprehensive movie theater ticketing system using C
  - Implemented data structures: linked lists, queues, stacks, and binary search trees.
  - Managed input and output through command line parameters and multiple file types.
  - Created and validated makefile for efficient program compilation and testing.

## Experience

**Learning Access Center (UTA)**  
*Learning Specialist*

- Facilitated the development of individualized study plans for 10 students with learning disabilities, resulting in a 5% average grade improvement.
- Conducted one-on-one and group tutoring sessions to assist students in various computer science topics.
- Maintained accurate records and collaborated with faculty and staff to support student's academic progress.
- Maintained a focused, inclusive, and supportive learning environment for students.

Sep 2022 – Present  
Arlington, TX

## Extracurricular Activities

- Technology Summer Engagement Program (PAYCOM):** Gained insights on SDLC, technology goals, C development, code testing, and application security from industry experts.
- HackUTA 2023:** Collaborated with a team on an LLM project utilizing Llama-2, Developed a local solution for training the model with specific data and enabling offline query functionality.
- UTA Clinical Immersion Research Fellow:** NIH-sponsored program, integrates CS with BioMed engineering.