Anamol Khadka

khadkaanamol8@gmail.com | https://www.linkedin.com/in/anamolkhadka/ | anamolkhadka.com | (682) 333-3949

EDUCATION

The University of Texas at Arlington | Arlington, TX

Master of Science in Computer Science   August 2025

- Specializations : Software Engineering and Big Data.

Honors Bachelor of Science in Accounting, Minor: Computer Science, GPA: 3.78/4.0   December 2023

Extensive Coursework in Computer Science

- Completed three years of coursework/credits from the Computer Science degree plan, equivalent to senior-level undergraduate courses in addition to the minor.
- Relevant coursework: Data Structures and Algorithms, Fundamentals of Software Engineering, Database Systems and File Structures, Object-Oriented Programming, Operating Systems, Computer Network Organization, Linear Algebra, etc.

TECHNICAL SKILLS

Programming Languages: Java, C, Python, JavaScript, Kotlin, SQL, TypeScript, Assembly.
Frameworks and Libraries: React JS, Boostrap/Boostrap 5, jQuery, Node.js, Express.js, Axios, Junit, tkinter, numpy, scipy.
Database: SQLite, MySQL, SQL/NoSQL, Firebase.
Methodologies: Agile, Waterfall, Spiral Process, Unified Process.
Software Design Patterns: Visitor, Creator, Singleton, State, Expert, Composite, GRASP, Other GoF patterns.
Web Technologies: HTML 5, CSS, XML, JSON, REST, Github Pages, WordPress, Wix, Canva.
Tools/Repository: GIT, GitHub, Anaconda, npm, Postman, Wireshark.
Developer Tools: VS Code, Android Studio, XCode, Codespace, SublimeText, VIM.

PROJECTS

Student Information Exchange | Kotlin, XML, Firebase, NoSQL, Android Studio   June 2022 – December 2022

- Led a team of 4 students in the development of an Android application as a team lead for managing student information exchange, employing a well-structured MVC architectural pattern. Utilized Firebase as the robust data Model, XML for intuitive View design, and Kotlin for efficient Controller implementation.
- Developed and integrated key features such as enabling college students to send direct messages, facilitating the buying, and selling of used items, establishing organization/club functionality, implementing seamless information exchange, orchestrating user authentication, and managing tutoring services effortlessly.

Car Rental Service | Python, tkinter, SQL, SQLite   August 2022 – December 2022

- Created a comprehensive database management application for car rentals, employing SQL for the backend relational database and Python's tkinter for the frontend user interface.
- Designed a relational database using SQLite to oversee a diverse fleet of available rental vehicles, encompassing table design, relationship establishment, and query implementation.

My Journal | React, JavaScript, Firebase, NodeJS, HTML, CSS, Boostrap 5   December 2021 – August 2022

- Developed and deployed a full-stack web-based application using cutting-edge technologies, including React for the front end, Node.js for the server, and Firebase's Cloud Firestore for database management, all powered by JavaScript.
- Integrated 'My Journal' seamlessly with a real-time Cloud Firestore database management system offering users the capability to create and personalize their online journals, along with user authentication and the ability to write, edit, and delete their journal entries with ease.

ACTIVITIES, LEADERSHIP, & ACCOMPLISHMENTS

- **HackUTA |** 2nd place   March 2024
- **Honors College |** Honors Student | UTA   August 2019 – December 2023
- **Accounting Society at UTA** | Vice President of Finance | General Member   January 2020 – December 2021