

# KHYATI DESAI

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Visa Status: US Citizen

## EDUCATION

### University of Texas at Dallas

Bachelor of Science in Computer Science

Dallas, TX

Aug. 2021 – May 2024

### Dallas County Community College

Associate of Science in Computer Science

Dallas, TX

Aug. 2019 – May 2021

## PROJECTS

### Attendance System | JavaFX, Java, JavaScript, HTML, CSS, Ajax, MySQL.

- Created a JavaFX-based desktop application for professors and administrators to manage attendance records and a JavaScript, HTML, CSS, and Ajax-based web application for students to securely log attendance, integrating a Java backend for data processing.
- Implemented an administrator dashboard for managing student records, courses, and attendance data, and a student interface supporting secure login and attendance recording, with options for quiz-based attendance validation.
- Ensured secure user authentication and data privacy, utilizing a robust database for data persistence and integrity, and providing flexible attendance quiz options, including time-constrained quizzes with 0-3 questions based on professor settings.

### Ethereum Empower | React.js, CSS, Tailwind CSS, React Context API

- Developed a secure web application for decentralized transactions using the Ethereum blockchain, with MetaMask integration for wallet management and transaction signing.
- Utilized Sepolia test network for cost-effective transaction validation and smart contract testing. Implemented a user-friendly interface and enabled real-time transaction alerts and interaction with custom smart contracts via Alchemy.

### 3D TiltMaze | Unity, C#

- Developed an interactive 3D tilt maze game using Unity and C#, incorporating physics-based mechanics for realistic object movement.
- Designed and optimized complex 3D models, textures, and shaders to enhance visual aesthetics and performance across various devices.
- Implemented user controls and collision detection algorithms to ensure smooth gameplay experience and responsive interface.

### Restaurant Automation System | .NET, C#

- Collaborated on business requirement analysis, designing a database for optimized data management in .NET and c#.
- Developed an agile, feature-rich system for order processing, inventory management, and report generation, emphasizing user-friendly interfaces.
- Conducted comprehensive testing, identifying and promptly addressing issues, resulting in a stable and reliable system delivery.

## TECHNICAL SKILLS

**Languages:** Java, C, C++, HTML, JavaScript, Python, CSS, .NET, C#, Firebase, R, MySQL

**Frameworks:** JavaFX, Ajax, .Net MVC, Tableau, Data Visualization, Android, ReactJs, XML, MySQL

**Tools:** Visual Studio Code, Git, WordPress, Eclipse, Power BI, PyCharm, Android Studio, Unity, Adobe Photoshop, Xcode, Linux, IntelliJ, Clion, Excel

## CLUBS AND ORGANIZATION

### Member, UTD Infinity Lions Club

- Leveraged technical expertise to manage the club's digital presence, implement technology-driven solutions like automated event registration, and organize coding workshops, enhancing operational efficiency and promoting STEM education in the community.

### Executive Member, Dallas Coding Club

- Spearheaded the development and maintenance of the organization's website, optimizing user experience and ensuring up-to-date content. Led the planning and execution of tech-driven events for students, fostering a collaborative environment and enhancing engagement among tech-savvy peers.