# Adarsha Kiran Khadka

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## Education

**Missouri State University - Springfield, MO**                                          Expected Dec 2024

Bachelor of Natural and Applied Science
Major in Computer Science, Minor in Mathematics
Cumulative GPA: 3.88/4.0.

**Awards & Honors**:
- Dean's List 2021,2022, 2023,2024
- 1st in ACM programming competition organized by Bears in Tech, Spring 2022

**Relevant Coursework**:

Data Structure, Advance Data Structure and Algorithm, Database, Operating System, Secure computing
Mobile application development, Software Engineering, Web Development, Numerical Analysis, Compiler Design

## Professional Experience

Software Engineering Intern                                          05/29/2024- present

**OMNI RTLS**
- Developed a comprehensive Business Management System (BMS) using Angular, adhering to the MVC architecture to ensure a clear separation of concerns and maintainability.
- Ensured loosely coupled code by adopting best practices in Angular development, including modular design and dependency injection.
- Implemented Signal for state management, significantly enhancing performance and reducing complexity.
- Conducted thorough testing and debugging to ensure high-quality and reliable software delivery.

## Personal Project

**Online Multiplayer Tic Tac Toe**

Developed an online multiplayer Tic Tac Toe game using Angular and WebSocket, featuring real-time gameplay and a chat function.

**Coding Practice Platform**

Built a full-stack coding practice platform using .NET 8.0, React, PostgreSQL, and Judge0. The platform allows users to create, test, and deploy coding problems, facilitating collaborative learning and problem-sharing.

**Cost Split Management Android Mobile Application**

Developed a mobile app for managing cost splits using Android SDK, Kotlin, Jetpack Compose, ROOM, and Firebase. The app streamlines expense tracking and splitting, ensuring secure and real-time data synchronization.

## Technical Skills

**Programming Languages**: Python, Typescript, Kotlin, C++, C#, Go
**Tools**: Git, Postman, Docker, Blender, Adobe Illustrator
**Databases**: PostgreSQL, MongoDB, SQLite, MySql
**Frameworks**: Django, ASP.NET, Flask, Next.js, Vite, React, Android SDK, Firebase, Angular

## Certifications:

Machine Learning Specialization from DeepLearning.AI (Coursera, 2023)