Sathya Tadinada

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EDUCATION

University of Utah   **Expected May 2026**
Honors BS in Computer Science and BS in Applied Mathematics, Minor in Psychology   *Salt Lake City, UT*
- GPA: 3.98, Dean's List
- Relevant Courses: Data Structures & Algorithms, Software Practice I-II, Discrete Mathematics, Linear Algebra
- Notable Projects:
    - Created a spreadsheet application using C# and MAUI, applying the MVC architectural design pattern
    - Developed a C# chat application using HTTPS/TCP protocols
    - Implemented a multiplayer snake game, showcasing networking and socket programming skills

EXPERIENCE

Human-Centered Computing Research Lab   **Feb. 2023 – Present**
Undergraduate Researcher   *Salt Lake City, UT*
- Coordinated with the identification and resolution of 15+ antipatterns and coding discrepancies in student code, enhancing code readability and maintainability by 25%.
- Corresponded with researchers, synthesizing qualitative data into 8 actionable recommendations for instructional enhancements, resulting in a 10% improvement in software development/coding style tests.

Canyons School District   **May 2021 – Aug. 2021**
Information Technology Summer Intern   *Sandy, UT*
- Assisted in comprehensive management of technology infrastructure for 23 primary and secondary schools, ensuring seamless integration and functionality.
- Collaborated to reimage 15 computer labs, enhancing the efficiency and performance of technology resources within educational settings.

ACTIVITIES

Software Development Club   **Sep. 2023 – Present**
Vice President of Education
- Facilitated a month-long online hackathon to develop Flutter games and administered a portfolio-building website competition, both of which had more than 90% overall club turnout.
- Proactively identified and leveraged on/off campus opportunities, yielding a notable 63% increase in club engagement and strategically establishing partnerships with other clubs and organizations to enhance visibility within the university.
- Organized and executed workshops, guest speaker events, and educational activities, contributing to the skill development of club members in the field of software development.

Red Cross Club at the U   **May 2023 – Present**
Chief Technology Officer
- Led the end-to-end development and management of the club website, taking full ownership of integration processes for an enhanced and cohesive online presence.
- Implemented strategic updates to the website emphasizing user experience, driving a 30% increase in unique web traffic and a 52% increase in page visits and overall engagement metrics.

SKILLS

- **Programming Languages:** Java, C#, C++, Python, Rust, Swift, JavaScript, SQL
- **Frameworks:** Spring Boot, Java Swing, .NET MAUI, Docker
- **Software:** JetBrains IDEs, VSCode, Visual Studio, Git/GitHub, LaTeX, Windows, Linux