

Sathya Tadinada

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EDUCATION

University of Utah

Honors BS in Computer Science, Applied Mathematics (Minor in Psychology)

Expected May 2026

Salt Lake City, UT

- GPA: 3.98, Dean's List
- Relevant Courses: Data Structures & Algorithms, Software Practice I-II, Discrete Mathematics, Linear Algebra, Models of Computation, Computer Systems, Number Theory
- Notable Projects:
 - o Created a spreadsheet application with C# and MAUI, applying the MVC architectural design pattern.
 - o Developed a C# chat application using HTTPS/TCP protocols.
 - o Implemented a multiplayer snake game, showcasing networking and socket programming skills.
 - o Wrote a fully functional custom malloc in C with high performance.

EXPERIENCE

Kahlert School of Computing

Undergraduate Teaching Assistant

Aug. 2024 – Present

Salt Lake City, UT

- Grade exams and assignments, providing detailed feedback on automata theory, Turing machines, and formal language classes to enhance student learning.
- Conduct weekly review sessions for 100+ students, driving a 15% improvement in overall exam performance through clear explanations and targeted problem-solving strategies.

Ken Garff Esports (Success In Education)

Tech Track Mentor

July 2024 – Aug. 2024

West Valley City, UT

- Instructed students on foundational cybersecurity principles and software development with the GameMaker engine, guiding the completion of two comprehensive projects that combined technical expertise and creativity.
- Delivered four seminars on technology career opportunities, increasing student engagement in the summer camp by 25% and inspiring students to explore future pathways.

Human-Centered Computing Research Lab

Undergraduate Researcher

Feb. 2023 – Aug. 2023

Salt Lake City, UT

- Enhanced software quality by resolving coding discrepancies, improving code readability by 25%, leading to more efficient project completion.
- Collaborated with researchers to synthesize qualitative data into 8 actionable recommendations for instructional enhancements, improving coding style test metrics by 10%.

ACTIVITIES

Software Development Club

Co-Founder, President

May 2023 – Present

- 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.
- Increased member participation by 60% through strategic partnerships and high-impact events.
- Organized and executed workshops, guest speaker events, and educational activities, contributing to the skill development of club members in the field of software development.

SKILLS

- **Programming Languages:** Java, C#, C++, C, Python, Rust, Swift, JavaScript, SQL, TypeScript
- **Frameworks:** Spring Boot, Java Swing, .NET MAUI, Docker, Next.js, React
- **Tools:** JetBrains IDEs, VSCode, Visual Studio, Git/GitHub