

Aditya Deshpande

Software Engineer | B.S. Computer Science, December 2026

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SUMMARY

Computer Science student and software engineer building reliable, user-centered web products and operational systems. Experienced with JavaScript, React, APIs, cloud data, nonprofit platforms, and AI-assisted development supported by disciplined testing and human validation.

EDUCATION

Arizona State University, Tempe, AZ

B.S. Computer Science | Expected Dec. 2026

Relevant Coursework: Operating Systems, Principles of Programming Languages, Human-Computer Interaction, Theoretical Computer Science, Artificial Intelligence, Data Structures & Algorithms, Probability & Statistics

EXPERIENCE

Web Development & Volunteer Systems Intern, Sewa International USA

Feb. 2026 - Aug. 2026
Remote

- Built responsive JavaScript donation and volunteer experiences across desktop and mobile, improving clarity through complex forms and payment handoffs.
- Integrated Zoho Software and Stripe to support one-time and recurring donations and reliable transfer of donor and volunteer data.
- Used AI-assisted development with human validation to prototype interface improvements, debug integrations, and translate evolving requirements into maintainable solutions.
- Tested form layouts, payment handoffs, and data-capture workflows end to end to identify reliability and usability issues before release.

Software Engineering Capstone Developer, DigiClips, Arizona State University

May 2026 - Dec. 2026
Lafayette, CO

- Collaborated with a five-member engineering team and project sponsor to improve the General Public experience of the DigiClips media aggregation platform.
- Translated real user stories into application updates spanning shared button behavior, notification controls, comment functionality, and details features.
- Validated interface changes, documented requirements, and supported API- and database-connected functionality for a platform intended for real users.

Software Engineer, Rift School Scope

Nov. 2021 - Jan. 2025
California

- Co-founded and developed a student-facing application for grades, assignments, and SIS data, improving academic planning for more than 15,000 users.
- Monitored performance and reliability for grade synchronization across more than 7,500 active users, iterating on features and UX from user feedback.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, C++, SQL, HTML/CSS

Frameworks & Web: React, Angular, Node.js, Responsive Web Development, REST APIs

Data & Cloud: PostgreSQL, Firebase, AWS, Relational Databases

Testing & DevOps: Automated Testing, API Testing, End-to-End Testing, Docker, CI/CD, GitHub Actions

Development: Git, GitHub, Agile Development, Requirements Analysis, Client-Server Architecture

Engineering: System Reliability, Debugging, Data Modeling, Technical Documentation, AI-Assisted Development

Integrations: Webhooks, Payment Integrations, Workflow Automation, CRM Integrations

Platforms: Stripe, Power BI, Zoho Software