

Deep Goyal

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EDUCATION

Arizona State University

Aug 2022 – May 2026

Bachelor of Science, Computer Science

Tempe, AZ

- GPA: **4.0/4.0**.
- Awarded the Outstanding Undergraduate Teaching Assistant of the Year (2x).
- Relevant Coursework: Software Design, Testing & Engineering, Deep Neural Networks, Databases in SQL.

EXPERIENCE

Software Engineer Intern

Jun 2025 – May 2026

Sport Sitters

Tempe, AZ

- Spearheaded the delivery of a production-ready React Native MVP in 4 months, leading a 6-person intern team through daily feature deployments that directly enabled market expansion into key universities in California and Arizona.
- Eliminated severe VOIP cold-start latencies by migrating communications from serverless Firebase functions to Twilio, offloading infrastructure overhead and drastically reducing call drop rates during peak user traffic.
- Authored an open-source Expo plugin bridging Swift and TypeScript, successfully integrating Twilio's native iOS SDK into the application ecosystem to overcome the lack of official React Native support.
- Architected and deployed a mission-critical administrative dashboard alongside the core MVP using FireCMS and Firebase Hosting, delivering real-time monitoring capabilities essential for ongoing platform health and functional management.
- Future-proofed the engineering ecosystem by establishing strict code standards, designing automated CI/CD pipelines, and authoring extensive system documentation, ultimately ensuring seamless handoffs and slashing future developer onboarding time from 14 days to 4 days.

Teaching Assistant

Aug 2023 – May 2026

Arizona State University

Tempe, AZ

- Promoted to Lead UGTA after one semester, collaborating with 30 TAs across 4 sections of OOP/DSA course 1,200 students/semester, designing review sessions and assigning content creation based on TA strengths.
- Developed comprehensive video tutorial series for Data Structures and Algorithms course using **Manim**, with top videos reaching 15K+ views and adopted as official supplementary material for 400+ students per semester.

Software Engineer Intern

Jun 2024 – Aug 2024

Infomaze Technologies

Remote

- Architected and shipped a customer-facing NLP pipeline from scratch, taking full solo ownership of the project to achieve 95% data extraction accuracy from unstructured emails and PDFs using Scikit-learn.
- Boosted client on-time delivery rates from 75% to 90% by designing and implementing a custom Greedy Scheduling Algorithm that dynamically optimized real-time printer-to-job assignments.

Software Engineer Intern

Jan 2023 – Dec 2023

Arizona State University

Tempe, AZ

- Transformed a fully manual, resource-intensive attendance process into an automated enterprise plugin, securing hackathon runner-up funding and buy-in from university tech leadership to develop the production system.
- Engineered a full-stack hardware and software integration using a Spring Boot backend, React dashboard, and custom Raspberry Pi scanners, successfully processing over 10K weekly card scans for 3,000+ students.
- Eliminated the need for dedicated attendance tracking personnel by integrating directly with the Canvas API, achieving real-time data syncing and saving over 100 teaching assistant hours per semester.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Java, C++, C, Swift

Frontend & Mobile: React Native, React, Next.js, Redux, Tailwind CSS, Figma

Backend & Data: Node.js, Spring Boot, PostgreSQL, Firebase, Scikit-learn

DevOps & Infrastructure: Docker, GitHub Actions, Google Cloud Platform (GCP), Linux (Arch/UNIX), Twilio API