

# Ayush Sachin Wattamwar

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## Education

### Arizona State University

Bachelor of Science in Computer Science (Software Engineering), Minor in Business

Tempe, AZ

*Expected May 2027*

GPA: 4.0

**Academic Recognition:** Dean's List

**Honors and Awards:** New American University Scholarship (\$13,500 Annually)

**Relevant Coursework:** Data Structures & Algorithms; Object-Oriented Programming; Mobile Application Development; Software Engineering; Computer Organization & Assembly Language Programming; Logic in Computer Science; Digital Design; Discrete Mathematical Structures; Linear Algebra; Calculus I & II

**Leadership & Extracurricular:** Active participant in **Grand Challenges Scholars Program**; Active contribution in **Engineering Projects in Community Service**

## Experience

### Full Stack Developer Intern

12/24 – Present

AI — *a9i.ai*

*Remote*

- Developed cutting-edge web application using **React 18** and **Vite**, integrating **Three.js** and **@react-three/fiber** for immersive 3D wildlife experiences and interactive safari simulations.
- Architected responsive UI components with **Material-UI** and **Emotion CSS-in-JS**, implementing smooth scroll-triggered animations using **GSAP** for enhanced user engagement.
- Built performance-optimized web platform featuring AI-powered wildlife identification, 3D jeep animations, and cross-browser compatibility with mobile-first design approach.

### Application Developer Intern

10/24 – 03/25

Junglore — *junglore.in*

*Remote, Mumbai, India*

- Developed scalable mobile application features using **Flutter (Dart)** and **React Native**, enabling cross-platform compatibility and reducing redundant code by 35%.
- Built feature-rich "Trips & Safari" module with **Flutter Splash** integration, crafting user-centric interfaces through **Figma** prototyping that increased user engagement by 35%.
- Collaborated with cross-functional team of 5 developers in **agile environment**, exploring **AI integration opportunities** including ChatGPT API implementation.

## Projects

### Academic Review System (ARS) | Java, JavaFX, H2 Database, JUnit, CSS | GitHub

Spring 2025

- Built robust academic review platform with **role-based authentication** supporting 5+ user roles and secure password hashing, serving 1000+ potential users.
- Designed scalable **MVC architecture** with 4 specialized database helpers managing user accounts, reviews, and admin requests using **H2 embedded database**.
- Developed automated **reviewer scorecard system** with weighted algorithms across 4 parameters, increasing review quality assessment efficiency by 60%.

### Meal Planner & Recipe Finder | Swift, SwiftUI, SwiftData, MapKit, REST APIs | GitHub

Spring 2025

- Architected full-featured iOS application using **SwiftUI** and **MVVM design pattern**, integrating **Edamam Recipe API** to serve 10,000+ recipes with personalized filtering.
- Built complex data persistence layer using **SwiftData** and **async/await** concurrency for seamless API integration and real-time synchronization.
- Designed sophisticated UI system with 8+ views including meal planning and **MapKit** restaurant discovery, supporting dark mode and responsive design.

### CalHacks: YouDub Chrome Extension | JavaScript, HTML, CSS, Chrome APIs, REST APIs | Website

Fall 2024

- Delivered innovative Chrome extension enabling YouTube accessibility through customizable voice-overs, integrating **Google Cloud Translate** and **ElevenLabs APIs** for 100+ languages.
- Implemented real-time transcription processing and audio synchronization using **Chrome Extension APIs**, handling YouTube's security protocols seamlessly.
- Collaborated with 4-member team during 48-hour **CalHacks hackathon**, managing 100+ Git commits while debugging complex browser security issues.

## Technical Skills

**Languages:** Java, Python, Swift, JavaScript, TypeScript, C/C++, Dart, HTML5, CSS, SQL, MATLAB

**Developer Tools:** Git, Xcode, IntelliJ IDEA, Visual Studio Code, Eclipse, Figma, PyCharm, Overleaf, Jira

**Libraries/Frameworks:** SwiftUI, Flutter, JavaFX, React, React Native, Node.js, Spring Boot, H2 Database, JUnit

**Certifications:** MKCL KLiC C Programming Course (5 programming projects, emphasis on algorithm development); Learn Python Programming Masterclass Udemy (Python, object-oriented programming, & program development)