

# Omkar Vilas Sapkal

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## Education

**Arizona State University**, Tempe, AZ

M.S. in Software Engineering

Expected 2027

**Mumbai University**, India

B.E. in Computer Science

2024

## Technical Skills

**Programming Languages:** Swift, Python, Java, JavaScript, TypeScript, PHP, SQL, Golang, MATLAB, C#

**Frontend:** React.js, Angular, Next.js, React Native, HTML5, CSS3, Bootstrap, jQuery, AJAX

**Backend & Frameworks:** Django, FastAPI, RESTful APIs, GraphQL

**Databases & DevOps:** MySQL, PostgreSQL, MongoDB, Firebase, AWS, Docker, Kubernetes, Jenkins, Apache Kafka, RabbitMQ, Celery

**Tools & Platforms:** Xcode, Android Studio, Visual Studio, Git/GitHub, Postman, Tableau, JMeter, Figma

## Experience

**iOS Developer Intern, XIRCLS**

Apr 2025 – Jul 2025

- Shipped the first iOS build of *Talk by XIRCLS*, owning design, development, testing, and release; launched to 500+ pilot users.
- Built core chat features and integrated **REST APIs** for leads and tasks, reducing lead entry time by approximately 40%.
- Designed task popups, swipe-up call summary sheets, reusable UI components, boosting engagement by 25%.
- Improved reliability with secure networking and **XCTest coverage**, reducing crashes by approximately 30%.

**Mobile Engineer Intern, TechQonnect**

Jan 2024 – Jun 2024

- Contributed to iOS and Android apps using Swift/SwiftUI, UIKit, and Dart in collaboration with backend teams.
- Implemented authentication, push notifications, offline caching, improving retention by approximately 20%.
- Introduced Git-based code reviews, reducing integration issues by approximately 35%.
- Streamlined releases using CI Checks and **TestFlight**, accelerating delivery by approximately 25%.

## Projects

**Augmented Reality Point of Sale System** — C#, Python, Google ARCore

- Built a mobile AR application using Google ARCore and Unity to visualize purchasable items as 3D models.
- Integrated cryptocurrency-based payments for secure checkout within AR environments.

**AgilePulse System** — React, Python, PostgreSQL, Agile (Scrum)

- Designed and built an Agile project management platform over 3 sprints with stand-ups, reviews, and retrospectives.
- Contributed across frontend, backend, and database layers implementing story refinement, sprint readiness, and stakeholder views.
- Followed **Git-based code reviews** and iterative delivery aligned with documented product and system requirements.

**To-Do List iOS Application with Custom Notifications** — Swift, Firebase

- Built a productivity app using Swift, SwiftUI, and **Core Data** with Firebase for real-time sync.
- Implemented authentication, push notifications, recurring tasks, and analytics.
- Designed a scalable data model and notification workflow to ensure reliable task alerts across app launches.

**POD Market Analytics Platform** — CockroachDB, Node.js, React

- Deployed a multi-node **CockroachDB** cluster across three regions with fault tolerance and data locality.
- Implemented regional-by-row and global tables to optimize store-level analytics.
- Built a full-stack analytics dashboard supporting natural language queries translated into optimized SQL.

## Leadership & Activities

**Community Service Director, Rotaract Club of Thane East**

2024 – 2025

- Led 8+ community service initiatives impacting 2,000+ beneficiaries.
- Coordinated with NGOs and sponsors, increasing funding by 40%.

**Public Relations Team Head, Mumbai University College**

2023 – 2024

- Managed PR strategy for 12+ events with up to 5,000 attendees.
- Built partnerships with media outlets and sponsors.