Rishikumar Senthilvel

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EDUCATION

B.S. Computer Science Expected Dec 2025

Arizona State University, Tempe, AZ 3.55 GPA

Relevant Coursework: Object Oriented Programming, Theoretical Computer Science, Data Structures and Algorithms, Intro to Software Engineering, Database Management

PROFESSIONAL EXPERIENCE

ASU Capstone Project **Tempe, AZ**

Traxidy Jan 2025 – Current

- Integrated calendar support that auto-creates all-day events for task due dates and sends meeting invites, putting Traxidy deadlines directly into users' calendars and reducing manual setup.
- Launched "Connect your Google Account" via **OAuth** so existing users can securely link calendars; Traxidy stores tokens to add events and includes one-click Google Meet links in notifications.
- Delivered end-to-end updates across web app and backend using **Vue**, **Laravel**, and **MySQL**, wrote migration, model, and controller changes, and coordinated weekly sponsor reviews to ship on schedule.

Technology Support Assistant **Tempe, AZ**

Arizona State University Jan 2023 – Oct 2023

- Increased media streaming speed by **300%** and improved system compatibility by developing a **Python** package for SILC LSS, optimizing data processing and integration.
- Resolved complex dual OS issues and improved classroom technology integration, collaborating with faculty and students to address technical challenges with strong communication and teamwork.

RELEVANT PROJECTS

Unihabitat Website

- Developed a two-sided, student-first marketplace using **Next.js 14**, **React 18**, **TypeScript**, and **Supabase** with a mobile-first UI and Google Places search surfacing price, location, dates, and key attributes.
- Built guided listing and profile flows with multi-step UX, inline validation, and client-side image cropping; uploads validated and delivered via short-lived signed URLs.
- Implemented defense-in-depth: protected routes, **CSRF double-submit**, per-user and IP rate limits, admin allowlist and moderation, session-checked contact with request logs, and account deletion that revokes auth and purges data and files.

RallyUp Github

- iOS app using **SwiftUI**, **MapKit**, **Firebase**, and **Foursquare** to discover and host nearby sports sessions with map and list views and guided profile and location setup.
- Full session lifecycle and in app messaging with host tools, join and leave, and auto created chats powered by **Firestore**.

Unblock - AI Website

- Built an AI-powered web app with **Next.js**, **TypeScript**, **Tailwind CSS**, and **Clerk**, leveraging **OpenAI** for content prompts and **Firebase** for secure data storage.
- Implemented dynamic note creation using **React Query**, with real-time image management and custom API routes for optimized user flow.

TECHNICAL SKILLS

Languages: Python, Java, TypeScript/JavaScript, Swift, SQL, C/C++
Frameworks: React, Next.js, SwiftUI, Node/Express, Laravel
Platforms/DB/Tools: Supabase, Firebase/Firestore, MySQL, PostgreSQL, MapKit, Foursquare, Vercel, GitHub, Docker