

Arjun Ranjan

Tempe, AZ | aranja15@asu.edu | linkedin.com/arjunranjan | github.com/aranja15 | arjunranjan.com

EDUCATION

Arizona State University

Expected Graduation: May 2026

Accelerated Bachelor and Masters of Science in Computer Science | 3.91GPA

Relevant Coursework: Data Structures, Object-Oriented Programming, Database Management, Compiler Design, Operating Systems, Software Engineering, Information Assurance, Theoretical CS

TECHNICAL SKILLS

Languages: Intermediate - C/C++(2yrs), Java(2yrs), Python(2yrs), Assembly(1yrs) Beginner - ReactJS, NodeJS, HTML, CSS, JavaScript, MATLAB, SwiftUI, R

Developer Tools: Git, Jupyter Notebook, Unix/Linux, SSH, Kernel Development, Firebase, Bash, Taiga, IOS

EXPERIENCE

Software Engineering Fellow

July 2024 – September 2024

Headstarter

Remote

- Built 3 Full Stack apps using ReactJS, NextJS, OpenAI,AWS, StripeAPI
- Developed projects from design to deployment leading 4+ engineering fellows
- Coached by Amazon, Bloomberg, and Capital One engineers on Agile, CI/CD, Git and microservice patterns

Gold Guide

January 2023 – January 2024

New Student Programs - Arizona State University

Tempe, AZ

- Guided 15,000+ students to kickstart their journey at ASU as new incoming students
- Interacted with incoming students and families to encourage on campus involvement
- Organized various events to facilitate the transition to university for new students

PROJECTS

XSEED.ai ATS Capstone | *Typescript, PostgreSQL, MongoDB, AWS, Kafka, Docker*

September 2024

- Developing XSEED.ai modules using React with Typescript, MaterialUI, and Formik for state management, ensuring robust front-end functionality
- Implementing back-end microservices in Java, integrating PostgreSQL, MongoDB and Kafka for messaging and data management
- Utilizing AWS for cloud provisioning and Docker for deployment, streamlining development workflows with Terraform and Kafka Connect

AI Flashcards | *React, Next, Firebase, OpenAI API, StripeAPI*

September 2024

- Developed a full-stack SaaS application using NextJS, React, and Firebase, enabling users to create, manage, and study flashcards with AI-powered generation
- Integrated OpenAI API to implement AI-driven flashcard generation, enhancing user learning experiences by automatically generating content from text inputs using RAG
- Implemented Stripe for subscription-based payments, enabling a seamless Pro plan checkout process with secure transaction handling

EffortLogger | *Java, SQL, JavaFX*

May 2023

- Developed an application as part of SWE course to track and log project development using Agile methods
- Designed and Developed the backend using SQLite
- Spearheaded a team of 3 developers in project development, part of the backend team

ACHIEVEMENTS

New American University Scholar: Attained \$15,500 scholarship per year for academic merit (Jan 2022-Present)

Dean's List: Earned the Dean's List award for consistent demonstration of academic excellence (Jan 2022-Present)

Accelerated Master's Program: Handpicked for the Accelerated Master's Program enabling completion on both Undergraduate and Master's in 4.5 years