

Ameya Lambat

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Education

Master of Science, Computer Science (Artificial Intelligence)

2025

Arizona State University (Dean's List)

Coursework: Data Processing at Scale, Data Mining, Machine Learning, Perception in Robotics, Robot Learning

Bachelor of Science, Computer Science

2024

Arizona State University (Dean's List)

Work Experience

Software Engineer (Research) | Arizona State University

Jan 2023 - Present

- Designed and developed **Full-Stack AI** solutions at the DigitalDx lab in collaboration with Dr. Visar Berisha, focusing on streamlining experiments using **Machine Learning** for Audiometry and Speech Pathology.
- Spearheaded development using **Python**, **TypeScript**, and **Next.js** to facilitate experiments with fellow researchers, resulting in tests and trials that are over **50%** more efficient.
- Led and maintained a **React Native Expo** app for real-time speech sample ingestion using **AWS S3** and **DynamoDB**, integrating optimized **Pytorch** Deep Learning pipelines to run efficiently on **GCP GPU** clusters.

Software Engineer (Intern) | Onshape

May 2024 - Aug 2024

- Worked on platform and infrastructure development, managing **Microservices** with **Spring Framework**, **Spring Data MongoDB**, and **MongoDB**.
- Contributed to the design and optimization of distributed systems, leveraging the **Apache Curator** framework for efficient management and coordination of services.
- Collaborated with cross-functional teams, including product management and QA, to develop and enhance client-side applications using **TypeScript** and **Angular**, improving user experience and performance.

Software Engineer (Intern) | PayPal

May 2023 - Aug 2023

- Led the design and development of the Migration Tracking Service for PayPal Credit's API Gateway, resulting in over **70%** faster migrations that aided the sale of PayPal Credit's **\$44 billion** Buy Now Pay Later Debt.
- Designed and implemented the Migration Tracking Service with **Python** and **Java (Raptor, PayPal's Internal Spring Framework)**, processing over **1000 microservices** and aggregating data in a **BigQuery** datastore.

Software Engineer (Intern) | Corsair

May 2022 - Aug 2022

- Developed captivating web pages for new unreleased Corsair products, elevating user interaction by **35%** and expanding marketing outreach by **40%** when products were released.
- Expanded Corsair's component library, enhancing development efficiency by **30%** through the seamless integration of new components using **Next.js** and **TailwindCSS**.

Teaching Assistant - Computer Science | Arizona State University

Jan 2022 - Dec 2023

- Taught CS students concepts of **Java**, **Object-Oriented Programming**, **Data Structures**, and **Algorithms**.
- Directly led over **2000 students** to success by teaching **Data Structures** and **Algorithm Design**.

Skills

Languages: Python, JavaScript, TypeScript, Go, Java, C++, C#, Swift, Kotlin, Ruby, Scala, SQL, Shell/Bash

AI/ML: PyTorch, Hugging Face, scikit-learn, Whisper, RAG, Vector Search, LLM evals

Agents/LLM Apps: LangGraph, Langfuse, MCP, Agent Skills, Tool calling, Memory, Claude Code, Cursor, Codex

Frameworks/Cloud: React, React Native, Next.js, FastAPI, Node.js, Docker, Snowflake, Redis, Spring, GCP, AWS, MongoDB, PostgreSQL

Technical Projects

HearLink

hearlinkapp.com

- Built HearLink, an AI-powered hearing assessment and tinnitus platform that turned clinical research into production software using Machine Learning, React Native, and cloud-based services to ship production-ready clinical tools.

SwiftUI Skills

swiftui-skills.ameyalambat.com

- Built an open-source SwiftUI skill package for AI coding agents, growing it to **65+ GitHub stars** with support for Claude Code, Cursor, Codex, OpenClaw, and local Xcode docs extraction.

DevGraph

devgraph.ameyalambat.com

- Built an open-source CLI that maps codebases into dependency graphs, impact analysis, and agent-ready context files for Claude Code, Codex, and Cursor.

Google Docs Dark (Chrome Extension)

darkdocs.ameyalambat.com

- Chrome Extension that enables dark mode in Google Docs, with over **6,000** active users.