

# ADITYA KISHAN ANKARABOYANA

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## EMPLOYMENT

### HeadSpin Inc.

*Software Engineer* • Feb 2019 to Apr 2023 • Palo Alto and Sunnyvale, CA

- Developed an inventory service which allowed assigning devices to customer workloads with a 66% reduced network footprint.
- Undertook a project that enabled platform support for XAPK distribution. This allowed submission of apps that were up to 6x larger than the Play Store size limit.
- Spearheaded a research project from ZERO to ONE. Devised new techniques to parse Instruments trace file for iOS 13 through 16.
- Bolstered the CI/CD pipeline by amplifying logging capabilities to identify bottlenecks in the platform that led to performance improvements of up to 30% in the profiler runtime.

**Technologies used - Xcode, Instruments, Python**

### NimbleDroid Inc.

*Software Engineer, Internship* • Jun 2018 to Aug 2018 • New York, NY

- Researched and developed a network traffic monitoring service for iOS apps on the platform.
- Reverse engineered Xcode's Instruments APIs to extract and analyze app performance metrics like Memory Usage, Network Activity, DiskIO, Call Stack, etc.

**Technologies used - Xcode, Instruments, Python**

### Autograder

*Software Developer* • Jul 2017 to Jan 2018 • Buffalo, NY

- Developed a grading feature to allow more flexibility for the instructor in choosing the final grade across multiple submissions for an assignment.

**Technologies used - Ruby on Rails, MySQL**

## EDUCATION

**Coursera Certification • Natural Language Processing with Classification and Vector Spaces**

Jul 2023

**Coursera Certification • Machine Learning - by Andrew Ng**

Aug 2020

**University at Buffalo, State University of New York • Buffalo NY**

2014 - 2018

Bachelors of Science in Computer Science

## SKILLS

API Development • Backend Development • React Development • Full Stack Development • Reverse Engineering

## PROJECTS

### cliChat

*2023 to Current*

- Created a command-line chat application that lets multiple users connect to the server and send messages.

**Technologies Used - Python**

### internetRadio

*2020 to Current*

- Created a select based networking application to stream mp3 songs over UDP in C.
- Modelled a controller (user) and a server (radio station) using sockets.

**Technologies Used: C**

### photoSync

*Dec 2017 to Apr 2018*

- Used Swift and Python to create an iOS app and backend that enables users to upload personal files to a private cloud.

**Technologies Used - Python, Swift, MySQL**

## AWARDS

**University at Buffalo**

Dean's List

May 2018