

# ADITYA KISHAN ANKARABOYANA

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## EXPERIENCE

### HeadSpin Inc.

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

*Technologies Used - Python, MySQL, Android apk, xapk*

- **Designed and Implemented an Inventory Service:** Accountable for engineering an innovative inventory service aimed at efficiently assigning devices to customer workloads. Successfully reduced network footprint by 66%, optimizing resource utilization and enhancing overall system efficiency.
- **Platform Support for XAPK Distribution:** Led a project in a team of 3 with collaboration among multiple functions of the organization to enable platform support for XAPK distribution, expanding the scope of app submissions. This empowered developers to submit applications up to 6 times larger than the Play Store size limit, providing flexibility for more complex and feature-rich applications.
- **Research Project on Instruments Trace File Parsing:** Spearheaded a comprehensive research project. Innovated new techniques for parsing Instruments trace files specifically tailored for iOS 13 through 16, enhancing debugging and performance optimization capabilities.
- **Enhancement of CI/CD Pipeline:** Strengthened the Continuous Integration/Continuous Deployment (CI/CD) pipeline. Amplified logging capabilities to pinpoint and identify bottlenecks within the platform, resulting in significant performance improvements. Achieved up to 30% reduction in profiler runtime, enhancing the overall efficiency and speed of the software development lifecycle.

### NimbleDroid Inc.

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

*Technologies Used- Ruby on Rails, MySQL*

- 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.

## TOOLS

• Python • SQL • JIRA • Java • Javascript • C/C++ • Node • Docker

## PROJECTS

### internetRadio

2020

*Technologies Used - C*

- 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.

## EDUCATION

**De Anza College • Cupertino, CA**

Dec 2023

Python Programming

**Natural Language Processing with Classification and Vector Spaces**

2023

Coursera

**Machine Learning**

2020

Coursera

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

2014 - 2018

Bachelors of Science in Computer Science

## AWARDS

**University at Buffalo**

May 2018

Dean's List