

# SYAM SUNDAR KIRUBAKARAN

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## Education

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### University of California, Los Angeles (UCLA)

*Master of Engineering, Artificial Intelligence, 3.93 / 4*

Sept 2022 – Dec 2023

*Los Angeles, CA*

### Anna University

*Bachelor of Engineering, Computer Science and Engineering, 8.92 / 10*

June 2015 – April 2019

*India*

## Experience

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[3+ years]

### Yahoo! Inc

*Software Engineer*

Jan 2024 - Present

*New York, NY*

- Working extensively on features related to the Fantasy Sports Android App (10M+ downloads) - Stats breakdown for NFL and Max Games Played feature for NBA, MLB and NHL. Built Compose components for Yahoo Design Playbook for android. Other contributions include auto credits for libraries, MVI migration, etc.

### Furlenco

*Senior Software Engineer*

June 2019 - July 2022

*Bangalore, India*

- Led the development of Furlenco Android App which has 1M+ downloads and contributed to an aggregation service called CIA that serves over a million requests every hour. Developed and launched 20+ features including: Upfront payments which increased customer retention by 60% and ARPU by 30%. Redesigned autopay flow which increased sign ups by 3x. Built the network layer of server-driven KYC (Know Your Customer) that led to 80% decrease in time to completion. Responsible for application architecture, drafting API contracts, ensuring production stability, performing code reviews and monitoring A/B tests. Leadership in guiding interns, hiring and scaling up the team.

### Google Summer of Code '19

*Software Engineering Intern*

May 2019 - Aug 2019

*Remote*

- Developed a Language Server for Processing programming language using Language Server Protocol which provides rich IDE features such as Autocompletion, Code Diagnostics, Goto Definition, etc. This will power the new Processing's development environment which has 100K active developers.

### Google Summer of Code '18

*Software Engineering Intern*

May 2018 - Aug 2018

*Remote*

- Developed an Augmented Reality renderer that renders virtual objects over real-time camera image. AR apps that use this library notice a 10x reduction in lines of code written compared to standard AR apps with the same functionality.

## Selected Projects

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### Effect of Neural Network Pruning on Spurious Correlation | [Report](#) | *Large Scale ML, Spurious Dataset* Dec 2023

- Finding layers that can be pruned from a neural network (which is trained on spurious dataset) without affecting the downstream accuracy.

### Evaluating Robustness of Salesforce CodeGen 2 | [Report](#) | *Code Generation AI, Model Evaluation* Sept 2023

- Evaluating Accuracy and Robustness and Mitigating Hallucinations in Salesforce CodeGen AI Code Generation Tool.

### Furlenco Lens | [Demo](#) | *Android, On-Device ML, Tensorflow* Aug 2022

- Provides product recommendations from Furlenco's Product catalog based on things in the camera image. Used by senior management during investor pitches to showcase Furlenco's forward-looking tech.

### Serverless Twitter | [Github](#) | *Nodejs, Backend, AWS Lambda* Aug 2020

- Rebuilt twitter using Serverless Architecture - this architecture reduces server cost through on-demand service instances as opposed to traditional microservices that have pods running almost always. This project was starred and endorsed by the founder and CEO of Serverless Framework.

### Language Server for Processing Programming Language | [Github](#) | *Language Servers, IDE tools* Aug 2019

- A Language Server implementation for Processing that provides features such as Autocompletion, Code Diagnostics, etc

## Technical Skills

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**Languages:** Java, Kotlin, C++, Python, Javascript, Typescript

**Familiar Domains:** Android, Backend, Cloud (AWS), Deep Learning and Neural Networks

**Libraries & Frameworks:** Git, RxJava, Coroutines, Nodejs, Postgres, PyTorch, Tensorflow, Scikit