

# Oindrill Dutta

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## Education

**Georgia Institute of Tech**  
MS IN COMPUTER SCIENCE  
Specialization in ML | In Progress

**San José State University**  
BS IN COMPUTER SCIENCE  
Graduated June 2018 | 3 Years  
Dean's Scholar in College of Science

## Skills

### Languages

Java • Python • Ruby • C++ • C#  
HTML5 • CSS3 • ES6 JavaScript  
Lisp/Scheme • Scala • SQL • R  
Typescript.js • JSON • XML • D3

### Technologies

JQuery • Node.js • WebSockets • RoR  
React.js • Redux • Polymer • AWS  
Django • Flask • Spring • Express.js  
Firebase • Mongo DB • Tensorflow(js)

### Tools / Systems

SQL/NoSQL DBs • Ajax • REST APIs  
Linux • Putty • CLIs • NPM • Bower  
Jenkins • JUnits • Apache Tomcat  
LaTeX • Agile • Git • Github

## Interests

Machine Learning • Data Analysis  
Back-end & Front-end Engineering  
Full-Stack Web & App Development

## Volunteering

### Google Games Contest

1<sup>st</sup> Place Winner  
Problem-solved many logical + coding challenges in a time-bounded setting

### Library Tech Toolbar

Directed the growth & purpose of the library tech toolbar initiative

## Languages

Fluent in English, Bengali, Hindi, Spanish

## Industry Experience

**Senior Software Engineer, Fullstack** Poggio Labs | San Francisco, CA  
GPT3.5, LLMs, AI, SQL, GraphQL, Node, Typescript, React Nov 2022 - Now  
Joined an early-stage Series A startup, leading, growing & rapidly engineering automation and machine learning into the main product, a data-driven CRM & sales platform

**Software Engineer, Fullstack** Utopia Labs | San Francisco, CA  
Typescript, Node, React, Next.js, MongoDB, GraphQL, Apollo Feb 2022 - Oct 2022  
Joined as the 1<sup>st</sup> engineer at a VC-backed seed startup of 4 co-founders, now Series A 15+, leading, growing & rapidly engineering the product, a web3 DAO ops & payroll platform

**Software Engineer, Fullstack** Nuna | San Francisco, CA  
Python, Django, ReactJS, Typescript, PostgreSQL June 2021 - January 2022  
Built out products and features at a rapidly scaling mid-size startup full-stack to help insurance companies and medical providers get accurate data on their patients

**Software Engineer, Fullstack** Tara.AI | San Jose, CA  
Typescript, Node, React, Redux, ML, GCP, Firebase, NoSQL March 2019 - May 2021  
Joined as the 3<sup>rd</sup> engineer in a YC-backed Series A startup of 13, now 30+, leading, growing and rapidly engineering the main platform and product, Tara.AI

**Software Engineer, Fullstack** Lawyaw | San Francisco, CA  
React, Redux, Python, Django, PostgreSQL, AWS, NLP Oct 2018 - Feb 2019  
Joined as the 2<sup>nd</sup> engineer at a YC-Backed seed startup of 7, taking ownership of rapidly bringing the flagship product to production, while supporting on call for 100s of law firms

**Software Engineering Intern** IBM | San José, CA  
Java, JUnit, Jenkins, Git, Tomcat, Agile Jan 2017 - Sep 2017

- Refactored entire 20k+ line application across 12 repos to allow in-sync builds with each other, saving 500 man-hours per month of development and build time
- Created continuous integration system utilizing Jenkins, with an entire testing suite, to test, push and revert development and production automatically builds
- Fixed 2500+ runtime and compilation bugs of technical debt involving Gradle, Beans, namespacing, DRY code, logic errors, & class, packaging, & method issues

**Software Engineering Intern** Aeris | Santa Clara, CA  
Java, JS, SQL, R, Polymer, D3, Android, Shiny May 2016 - Oct 2016

- Built robust & scalable IoT servers for fleet management, transforming and storing incoming binary OBD & CAN sensor data dumps from 1000s of vehicles for analysis
- Developed real-time interactive IoT dashboards for fleet management, analysis & visualizations; demoed to CEO & Investors to bring to the production SaaS solution

## Projects & Awards

**Yoga Master: Realtime Yoga Pose Feedback** BEST ML PROJECT  
Tensorflow.js, OpenPose, Node.js, ML [github.com/Yoga-Masters](https://github.com/Yoga-Masters) | 1/18 - 6/18  
Architected & lead a team to build a react app to detect yoga poses, by creating an automated training pipeline to scrape 100s of YouTube videos of Yoga professionals, extract relevant frames, pre-process frames & train it on a supervised FCNN model of 4000+ rows

**Myo Messenger: Sign Language Translator** 1<sup>ST</sup> PLACE PRIZE  
Myo, Firebase, Javascript, AI [odutta.me/MyoMessenger](http://odutta.me/MyoMessenger) | Hero Hacks | 8/14  
Built an AI app using time-series data to send translated ASL signs for the speech impaired

**Learn Motion: Muscle Memory Trainer** MYO SPONSOR PRIZE  
Myo, Pebble, Android, AI [odutta.me/myoSport](http://odutta.me/myoSport) | HackingEDU | 9/15  
Built an AI app to record & replay movements to train using any wearable w/ accelerometer

**Simple Bottle: Prescription Overdose Monitor** 1<sup>ST</sup> PLACE PRIZE  
Tessel, Android, AerCloud, JavaScript [git.io/fA3JO](https://git.io/fA3JO) | Aeris IoT Hackathon | 4/16  
Built a Pill Bottle to control pill dosage according to prescription, sending data to doctors

**Google Competition 2016: Mountain View** 1<sup>ST</sup> PLACE PRIZE  
Problem Solving & Programming April 2016 | Google Games  
First place in solving coding & logical challenges in a time-bounded competition @ Google