Oindril Dutta

Full Stack Developer & Software Engineer interested in AI/ML & Data seeking Full-Time Positions

CONTACT

- duttaoindril@gmail.com
- (408)-658-8961
- San José, California

- Personal Website: **odutta.me**
- LinkedIn.com/in/**oindrildutta**
- Github.com/**duttaoindril**
- Calendly.com/**duttaoindril**

EDUCATION

GEORGIA INSTITUTE OF TECH
MS in Computer Science
Expected June 2022

SAN JOSÉ STATE UNIVERSITY
BS in Computer Science
Graduated June 2018 | 3 Years

SKILLS

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

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 Development

VOLUNTEERING

GOOGLE GAMES CONTEST
1ST 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

INDUSTRY EXPERIENCE

SOFTWARE ENGINEERING INTERN — IBM | San José, CA
Java, JUnit, Jenkins, Git, Tomcat, Agile — Feb 2017 – Sep 2017
- Implemented and deployed multi-dependent application tools suite to production for IBM's DB2 Database Support Management Systems, allowing for easy integration with Salesforce to replace legacy Retain database support systems
- 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 automatically test, push and revert development and production 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
SQL, R, Shiny, JS, Polymer, Android — June 2016 – Sep 2016
- Built robust & scalable IoT server for vehicle fleet management, transforming incoming binary OBD & CAN sensor data dumps from 100s of vehicles into human readable data, then storing in proprietary IoT Cloud SQL databases for logging and analysis
- Developed live interactive IoT dashboard to analyze fleets, displaying fleet locations on maps, graphs of driver safety ratings & live car movement data, & a queryable SQL interface; showcased to CEO & Investors for integration into production SaaS solution

FREELANCE WEB DEVELOPER — GuptaChem | Cupertino, CA
Rails, JQuery, Heroku, Parse — Jan 2015 – July 2015
Bootstrapped a responsive E-Commerce + Online Course company site to sell/teach Chem lessons to 100s of students, generating $1000s in value of leads from SEO Optimization

PROJECTS & AWARDS

YOGA MASTER: REALTIME YOGA POSE FEEDBACK — Best ML Project
Tensorflow.js, OpenPose, React, Node.js, Firebase, ML — github.com/Yoga-Masters
- Architected & lead a team project to use any device webcam to detect yoga poses
- Built an automated training pipeline to scrape 100s of YouTube videos of Yoga professionals, extract relevant frames, run OpenPose to get pose data, pre-process to make it ML ready & train it on a supervised FCNN model of 4000+ rows of pose image data

MYO MESSENGER: SIGN LANGUAGE DETECTOR — 1ST Place Prize
Myo, Firebase, Javascript, AI — odutta.me/MyoMessenger | Hero Hacks
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 | HackingEDU
Built an AI app to record & replay movements to train using any wearable w/ accelerometer

VIEW ME: 3D FULL BODY GESTURE CONTROL — PubNub Sponsor Prize
Pubnub, Xtreme Reality, Autodesk 3D View, AI — odutta.me/ViewMe | AngelHack
Built an AI app to control 3D models with any device webcams using arm/torso gestures

GLOBAL GRID: LOCALIZED LIVE MEETUP PAIRS — Satori Sponsor Prize
Satori API, Polymer, Firebase, Node.js — git.io/fA3fS | AngelHack
Built a grid-based geofenced app using live location data to coordinate meetups closeby

SIMPLE BOTTLE: PRESCRIPTION OVERDOSE MONITOR — 1ST Place Prize
Tessel, Android, AerCloud, JavaScript — git.io/fA3JO | Aeris IoT Hackathon
Built a Pill Bottle to control pill dosage according to prescription, sending data to doctors

OFS: TEMPLATE E-COMMERCE GROCERY SHOP
Polymer, Node, JS, Heroku, Express — github.com/Organic-Food-Store
Built an E-Commerce site + server template w/ product view, cart, and purchase features