Sruthi Jayanti

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EDUCATION

University of Illinois at Urbana-Champaign, Grainger College of Engineering — Champaign, IL
B.S. in Computer Science | GPA: 3.81/4.00 — August 2018 – December 2021
M.C.S in Computer Science — January 2022 – December 2022

Coursework: Data Structures, Algorithms, System Programming, Computer Architecture, Discrete Structures, Machines Data & Python, Probability & Statistics, Social & Info Networks, Database Systems, Applied Machine Learning

EXPERIENCE

Capital One, *Software Engineering Intern – Remote* — June 2021 – August 2021

- Designed, developed, tested, and deployed serverless Python API supported by AWS Lambda (to modernize existing Java Spring Boot API) to retrieve latest credit line increase information for a given customer
- Reduced cost by >99% with serverless API as opposed to existing API
- Conducted thorough unit, acceptance, and performance testing using PyTest, Behave, and JMeter while monitoring API stats through AWS CloudWatch and X-Ray

M1 Finance, *Android Dev Intern – Chicago, IL* — May 2020 – August 2020

- Directed product research, design, engineering, and release across 3-platform teams for $150M Series E company
- Implemented reset password feature in Android app, through MVP architecture in Java and Kotlin, involving new deep link support, GraphQL integration, and token management
- Revamped and cleaned tech debt in integral, high-traffic biometric authorization flow executed 1M+ times daily by thousands of users

AbbVie, *Data Science Intern – Lake Bluff, IL* — May 2019 – August 2019

- Queried Google APIs to harmonize clinical trial site names across multiple 500K+ record databases in order to train machine learning models for clinical trial optimization of biopharmaceutical products
- Matched remaining unstandardized site names by calculating string similarity ratios in Python

PROJECTS

COVID-19 Vaccination Tracker — February 2021 – May 2021

- Applied relational techniques using SQL, GCP, and Flask to create database-centric web app that tracks and analyzes COVID-19 vaccination progress in 300+ U.S. cities, including change in number of cases and fatality rate, as vaccines are administered over time
- Generated safety rating for each city based on data calculations and displayed statistics on visual map UI using JavaScript, HTML, and Google APIs

Cryptocurrency Price Predictor — October 2020 – December 2020

- Developed predictive tool in Python to project future prices of Bitcoin, Litecoin, Tether, and Ethereum using long short-term memory time series model reliant on recurrent neural network
- Cleaned and normalized data, trained model using Keras, regulated overfitting/underfitting, and plotted predictions on graphs

LEADERSHIP

Women in Engineering, *Ambassador* — January 2019 - Present

- Representing Women in Engineering at student events and promoting opportunities available to hundreds of admitted student engineers

SKILLS & CERTIFICATIONS

Languages: Java, Kotlin, C++, C, Python, R, SQL, HTML/CSS, JavaScript
Tools: Git, Android Studio, Google Cloud Platform, Amazon Web Services, JUnit, PyTest, Behave, JMeter, Keras
Certifications: CSSE (Certified Secure Software Engineer)