

# 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 Amazon 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, Jenkins, JUnit, PyTest, Behave, JMeter, Keras

**Certifications:** CSSE (Certified Secure Software Engineer)