DIGANT JAIN

Software Engineer

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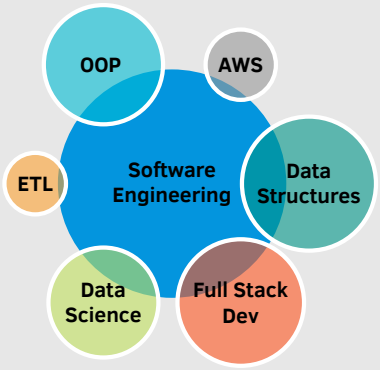
Skills

Overview



Programming

Python • SQL

AWS Lambda, SNS,SQS,ElasticSearch

Java • C++ • HTML

R • JS • Unix

Job Status

Graduating Dec 2019

Seeking Full time opportunities

Education

2018 - 2019 (Expected) **Master's Degree in Computer Science** (GPA: 3.78/4) — Stony Brook University, New York

2011 - 2015 **Bachelor's Degree in Electronics & Comm** (CGPA: 8.69/10) — NSIT, University of Delhi, India

Experience

June 2017 - Present **Software Development Engineer Intern** — Audible, Newark, NJ

Event Tracker System

- Created an event tracker that would listen to the SNS events and persist messages. The final UI allow the user to access data based on various filters available.
- Used AWS technologies such as SNS, SQS, Lambda and Elastic search for implementation of backend design. UI was created using Javascript and React framework.
- ***Improved Tech Operational Excellence and less number of customer facing tickets. Also provided improved security and Time to market allowing the launch of new business ideas faster.***

July 2015 - June 2018 **Software Engineer** — ZS Associates, India

Sentiment Analysis

- Created a python script to achieve language translation from different languages to English using Google translate API.
- Fetched data from social media platforms like Youtube, Twitter and Facebook by web scraping using BeatifulSoup library in Python.
- ***On our recommendations, the client's sale for the drug increased by 30%.***

Best Affiliations

- Developed the Best Affiliations module to find the most trustworthy affiliation for a child entity(physician) to parent entity(hospitals) with respect to different Business units.
- Lead the requirement gathering, design, build and testing phases. Skillset used: Informatica, SQL, Unix and MDM domain knowledge.
- ***Our client saved up to $2 million on marketing as their representatives could target the customers much more easily and effectively.***

Communication Standardization

- Cleansed and standardized communication data of physicians which included telephone, fax, websites and emails information.
- Used hashmaps to log frequency of occurrence of the faulty communication data. Cleansed data using regular expressions and complex SQL queries on Oracle databases.
- ***Increased the data quality from 50% to 90% leading to an increase in sales as medical representatives could reach out to the physicians with ease.***

Projects

Detection and prediction for cryptocurrency mining websites

Computed the correlation between cryptocurrency mining websites and the associated CPU usage of the user's system using logistic regression for classification. Created a Chrome extension to predict with an efficiency of 94% whether a website is indulged in cryptojacking.

Monopoly Game agent using reinforced learning

Built a monopoly agent that follows the standard monopoly rules to compete with other agents. Implemented Q-learning on neural network for the bot to learn from its previous moves.

Incentive compensation model for energy exchange system on blockchain

Developed incentive model for energy exchange between different electric vehicles such that both charging and discharging EVs benefit from the system. Used convex optimization techniques using cvxpy library in python to maximize the profits.

New York City Taxi Fare Prediction

Created a model to predict the fare amount for a taxi ride in New York City given the pickup and dropoff locations, time of travel and many other parameters using weighted linear regression. Model predicted with a RMSE of 5.87.