

SANJAY KALIYUR

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CITIZENSHIP USA

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PROFICIENCIES

- Python
- Java
- C++
- Scala
- Swift
- Node.js
- Web Technologies (HTML, CSS, JavaScript, PHP, mySQL)
- Jupyter Notebook
- TensorFlow
- Version Control (Github, Bitbucket)
- MacOS
- Windows
- Linux

COURSEWORK

- C++ Programming
- Java Programming
- Data Science
- Probability & Statistics
- Data Structures
- Algorithms
- Operating Systems
- Web Programming
- Databases
- Programming Languages
- Embedded Systems
- Logic/Digital Design
- Calculus
- Differential Equations
- Linear Algebra
- Discrete Mathematics

OBJECTIVE

Seeking opportunities in the fields of Software Engineering, Data Science, Data Analytics, Product Management, and Finance.

WORK EXPERIENCE

IBM – Software Engineer (April 2018 – Present)

- Member of IBM IMS Open Systems team
- Developing core database features
- Quality Assurance testing using Java JUnit Test Framework
- In charge of Database Definition Language (DDL) testing
- Working under Agile development principles

IBM – Software Engineering Intern (June 2017 – December 2017)

- Interned with IBM IMS Vendor Enablement team
- Used Java QA Framework for testing and bug fixing
- Developed system features to aid with query optimization
- Used IBM Watson Cognitive Computing API to implant Artificial Intelligence and Machine Learning into SoftBank Pepper robot

SHC Financial – Financial Data Analyst (Oct. 2015 – Dec. 2015)

- Created financial models to predict market growth.
- Analyzed financial and performance data to determine companies with the most investment value.

Connecttel – Software Engineering Intern (June 2015 – Sept. 2015)

- Developed and tested financial modeling software used to collect and evaluate financial data to help clients with trading based on stock patterns.
- Developed JavaScript script to parse through websites and download archived videos for data backup purposes.

Box – Intern (June 2013 – September 2013)

EDUCATION

Santa Clara University (Graduated March 2018)

Bachelor of Science, Computer Science (Emphasis in Data Science)

PROJECTS

Stock Prediction

Used TensorFlow, Natural Language Processing, & Twitter API to create neural network capable of predicting stock price of any given company. Program also performs sentiment analysis of the company based on tweets. Used Jupyter Notebook, Python, Keras, SciKit, Numpy, Tweepy.

Sentiment Analysis of Amazon Review Data

Analysis of Amazon review data using Logistic Regression and Naïve Bayes' Classifier Machine Learning algorithms. Used Jupyter Notebook, Python, SciKit, Numpy.

Website – educamps.us

Fully functional website with front-end and back-end. Used HTML, CSS, JavaScript, PHP, & MySQL. Hosted on AWS.