POOJA RAMASWAMY

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EDUCATION

San Jose State University, San Jose, California **August 2018 – May 2020**
Master of Science in Computer Engineering (Data Science)
Sardar Vallabhbhai National Institute of Technology (NIT), Surat, India **June 2012 – May 2016**
Bachelor of Technology (B. Tech), Electronics and Communication Engineering

TECHNICAL SKILLS

Python, SQL, Python Flask, NPM, Java, C, C++, R, Data Processing, Data Analysis, Lexical Mining, Data visualization, Regression, Sentiment Analysis, Statistics, Pyspark, Clustering, Neural Networks, Data Mining, HTML5, PHP, OOP, Shell Scripting, PL/SQL, CSS3
Database: MySQL, MySQL workbench
Tools: Jupyter, VS Code, RStudio, Colab, Keras, Apache Spark, IBM Cloud, IBM DB2 Data Explorer, IBM DB2 Express C, IBM Graph Service, Microsoft Excel, Eclipse, MATLAB

WORK EXPERIENCE

Data Science Intern
eKryp Inc, Palo Alto, California **June 2019 – August 2019**
- Trained and tested various Machine Learning models and was able to achieve 80% accuracy for prediction for Decision tree Classifier which is 20% more accurate than Random Forest Classifier which was being used previously.
- Worked on a Machine Learning Project application from scratch to predict the next preventive maintenance for assets in various parts of the country based on historical data.

 Tools: Visual Studio Code, MySQL workbench, Postman **Technology Used:** Python, SQL, Angular 2, Vue JS, Flask

Systems Engineer
Infosys Limited, Chennai, India
Finacle Migration **June 2017 – May 2018**
- Worked as a developer on Finacle platform for various banks.
- Handled Frontend customization, Back-end Scripting and various Finacle customizations and worked with data that involve PL/SQL, JS, Java and Shell Scripting.

Technology Used: Java, JavaScript, **Tools**: Shell Scripting in Finacle platform

Systems Engineer Trainee
Infosys, Mysore, India **Dec 2016 – April 2017**
- Trained in Python language, Angular JS, SQL.

Technology Used: Python, Angular JS, SQL, HTML, CSS, jQuery, Bootstrap

PROJECTS

Automated Loan Approval System Prototype **Sep 2019 – Sep 2019**
- Designed an application to automate the loan approval process for a customer. The loan approval is done by analyzing the customer details such as Credit Score, Annual Income, Age.

Tools: Visual Studio 2019, Chrome DevTools **Languages:** HTML, CSS, Express, Node JS

StockCast: Prediction of future stock values using historical stock data and announcements **Feb 2019 – May 2019**
- Completed a project to make future stock predictions using historically available stock data having certain key parameters to predict real time stock price with the help of Data Mining Time series models.
- Models like Moving Average, LSTM, Bidirectional LSTM, Dilated CNN, Prophet etc. was trained to get better accuracy and developed an interactive web application known as StockCast with Prophet Model in the backend to forecast for 60 Companies.

Tools: Jupyter Notebook, Visual Studio 2019, Keras, Pandas, Flask. **Languages:** Python, HTML, CSS, JS.

App to find relevant answers to question asked on discussion forum like Stackoverflow **March 2019 – May 2019**
- Developed an application that could identify most relevant stackoverflow answer for given technical question with React for frontend and Python code to find most relevant answers with the help of Machine Learning and NLP at the backend.

Tools: PyCharm, Visual Studio 2019, Postman, Atom, Flask, NLP. **Languages:** Python, React.js, CSS.

CERTIFICATIONS

Certification in **Front-End Web Developer Nanodegree Program** in **Udacity** **September 2016 – November 2016**