Dhruv Postiwala

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[https://github.com/dhruv2801?tab=repositories](https://github.com/CanadianKnight?tab=repositories)

Summary

I’m an aspiring Data Analyst/Scientist with interests in solving problems using the data driven modelling approach. With over 2.5 years of experience in PL/SQL programming and a higher degree in Data Analytics, I believe in being a lifelong learner to be an effective contributor for our society.

Education

* **Graduate Certificate Jan 2019 - Apr 2020**

**Data Analytics for Business (GPA – 3.80)**

St. Clair College, Canada

* **Bachelor of Technology Jul 2012 - Jun 2016**

**Instrumentation & Control Engineering (GPA – 3.0)**

Nirma University, India

Employment History

**Tata Consultancy Services Aug 2016 - Dec 2018**

**Software Developer (PL/SQL) -** Smart Steel Factory

India & Netherlands

* Smart Steel Factory being one of the largest supply chain transformation projects, Implementation of Manufacturing Execution System (MES) boosted the profits up to 60%.
* Developed technical solutions by designing, writing, modifying PL/SQL packages to support configuration of MES replacing legacy mainframe systems.
* Tested end to end functionality of MES right from receiving the production order till the final dispatch of finished goods by tracking critical issues and bugs using JIRA.
* Worked with BAU team in solving production issues after Go-Live by working in agile environment utilizing a test-driven development approach.
* Developed an automated tool which queries the database and emails daily/weekly/monthly reports to the relevant stakeholders. This saved daily 1 hour of a junior developer’s time.
* Added and modified automated Business Rules in MES that improved process efficiency by 30%.

Projects – Data Analysis and Machine Learning

* **Job Recommender – Web Application**
  + - * Used web scraping to fetch job descriptions of over 500 job postings for Data Analysts and matching them with an individual’s resume based on keywords match.
      * The similarity score (token set ratio) is the key metric used in recommending top 20 jobs for the candidate by matching skillset and job requirements.
      * This project will save considerable hours of time of an individual looking for a job.
* **Traffic Sign Classifier – Web Application**
  + - * A convolutional neural network trained from over 10K traffic sign images using AWS Sagemaker. Using the trained CNN model, a web application was built using Flask framework from Python to classify random traffic sign images.
      * The application is a web page having an image upload button for uploading a traffic sign image. Then using predict button, user can run the trained machine learning model for classifying the image which displays the result (text) as the predicted class of traffic sign.
* **Sentiment Analyzer for Cricket World Cup 2019 – Jupyter Notebook**
  + - * A side project prepared to learn about the sentiments of people predicting the winner in World Cup 2019. The data was collected from over 100 people to pick four semi-finalists and a winner among those four teams.
      * Using the data, the K-nearest algorithm learns sentiments of over hundred people and predicts the possible winner for the ICC Cricket World Cup 2019.

Technical Skills

* **Programming Languages -** Python (Intermediate), PL-SQL (Pre-advanced), R (Beginner).
* **Database -** Oracle Database, IBM db2.
* **Processes -** ETL and OLAP.
* **Visualization Tools –** Tableau, IBM Cognos, Excel.
* **Machine Learning Algorithms** **-** Decision Trees, Linear and Logistic Regression, NLP, Neural Networks (CNNs).
* **Cloud –** AWS Sagemaker, AWS Elastic BeanStalk
* **Project Management Tools –** MS Project, Airtable.
* **Framework -** Agile.

Achievements

* **“Spot Award”** for creating automated reporting tool while working at Tata Consultancy Services.
* Winner for best project in Basic Statistics (Data Analytics) for creating animations using ggplot library in R.