SURYA MANIAN

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EXPERIENCE

Junior Data Analyst Spade Labs Pvt. Ltd.   May 2018 - September 2018

- Exploratory Data Analysis: Segmented the dataset with 200,000+ data items and drew unique insights, including visualization of the transaction volume and assessing the effect of any outliers.
- Generated PowerBI dashboard that examines large dataset of the client, that predicts and automates the sales prediction using MySQL and AWS server and contributed to the development of analytical models by the data science team.
- Identified benchmark stores that allow testing of the impact of the trial store layouts on customer sales and prepared a report for the client.
- Associated with a team of 4 members by assigning tasks using Jira and Confluence and was responsible for developing and preparing management dashboards.
- Increased client sales between 9% to 12% by forecasting 2x more accurate prediction and explored the correlations between customer attributes (Predictive Analytics).

EDUCATION

Master of Engineering, Software Engineering, Concordia University, Montreal January 2021 - December 2022
GPA: 3.16

Bachelor of Technology, Computer Science, SRM University, Chennai, India.   July 2016 - May 2020
GPA: 3.27

SKILLS

Languages	Python, R, Java, C++, Javascript, HTML, CSS
Databases	SQL, MongoDB Atlas, PostgreSQL
Visualization	Tableau, Power BI, Looker
Version Controls	Docker, Git, Jira
Frameworks	Scikit Learn, Pytorch, Matplotlib, Seaborn, d3.js, Tensorfow, PySpark, Rasa
Cloud	Azure, AWS
IDE Tools	Pycharm, Eclipse, Jupyter Notebook, Google Colab
Others	Data Visualisation, ETL, Supervised and Unsupervised Machine Learning, Statistics
Hard Skills	Exploratory Data Analysis, Statistical Analysis, Microsoft Excel
Soft Skills	Communication, Accountability, Result Oriented, Continuous Learning Mindset

PROJECTS

Student Survey On Purcahse Category Power BI

- Acquired the data from a dataset containing 9000 data items, dumped the data into the database,started building a production-based dashboard based on the file-structure and column features.
- Understood the data attribute and KPI (Key performance indicator)
- Implemented Tabular and matrix visualization, designed funnel and pie charts, scatter and sand-dance plots, published the report on Power BI cloud service, designed the Master Dashboard, and used the QA feature of Power BI.

Data Extraction from Medical Documents Python, FastAPI, Google Tesseract, OCR

- Extracting useful Information from a scanned medical or a prescription document.

Face Mask Detection using Convolution Neural Networks Python, Pytorch, CNN, Data Cleaning, AI

- Solved an Image Classification problem with a convolution neural network that would classify the images into 5 different classes of mask types learning from a dataset containing more than 2000 images.
- Initially, the emphasis was on data pre-processing and model architecture after which the bias in the data was identified and removed. Furthermore, the accuracy was increased by tuning the hyperparameters, and K-fold cross-validation was applied to the model.

Sentiment classification of IMDb movie reviews using MongoDB Python, Atlas, MongoDB

- Executed various queries on the data using both the MongoDB Atlas and Shell environment, distributedly.
- Produced charts for different queries and a pipeline for the Realm feature.
- Research on Distributed System Aspects of MongoDB and then analyzing the sentiment analysis of movie reviews using MongoDB.

Finger recognition and gesture-based augmented keyboard Python, OpenCV   [GitHub](#)

- Employed a web camera that is integrated with OpenCV libraries through a compiler.
- Users can control a virtual-keyboard using their finger movements and fingertips.

ACCOMPLISHMENTS AND CERTIFICATIONS

Tableau Desktop Specialist Tableau — September 2022   [Credential](#)

Microsoft Certified: Azure Fundamentals AZ-900 Microsoft — October 2020   [Credential](#)

Data Analytics Virtual Experience Program Quantium — August 2020   [Credential](#)

Data Visualization in Power BI Datacamp — February 2022

Google Data Analytics Professional Google — November 2022

Data Analytics Consulting Virtual Intern KPMG — July 2020   [Credential](#)

Software Engineering Virtual Intern JPMorgan Chase and Co. — July 2020   [Credential](#)

Software Product Management University of Alberta - Coursera — November 2020   [Credential](#)