PRANJAL SHRIVASTAVA

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Professional Experience:

Amgen | **Tampa FL** (Remote)| Business Analyst Intern   May 2020 – Aug 2020
Project: Enterprise Service Management (ServiceNow Platform)

- Analyzed data & workflow coordinating with stakeholders to input critical configuration item data into ServiceNow system. Created training material using guided tours (ServiceNow) and SharePoint links for users to understand the process associated with the configuration item.
- Facilitated data warehouse integration using complex **SQL queries** to fetch data from multiple data sources (SCCM) to CMDB (ServiceNow platform).
- Streamlined project documentation needs and supported product team in creating stories on JIRA board to ensure coherent teams dynamics.

HSBC Technology India | **Pune, India** | Business Analyst   Aug 2015 – May 2019
Project: Global Payment Systems (Product: Finastra's Global Pay Plus)

- Developed automated tools using shell scripts for logs extraction saving 40% efforts on defect analysis along with catering to urgent requirements to fix or triage(Impact Analysis) test/production defects.
- Created data flows using SQL queries (using Joins, Window functions, CTE, Subqueries) to cater to business questions and optimized time-consuming SQL queries to improve performance by 12%.
- Used Tableau to create and maintain dashboards for visualization and reporting of daily EOD/SOD Payment Processing Cycles.
- Performed ad hoc analysis and formulated PoC developments to identify business insights using the payments log data and tableau dashboards for detection of KPIs in release pipeline, accelerating the release process by 33%.

Academic Projects:

Employee Attrition Prediction using Azure ML and Tableau Dashboard   Oct 2019

- Analyzed the employee attrition data using Tableau and evaluated actionable insights.
- Performed predictive modelling using classification models like Decision Trees and Logistic Regression for prediction of rate of attrition. Formulated recommendations based on the analysis to reduce the attrition rate in future.

COVID-19 Analysis Dashboard using Power BI   Aug 2020

- Integrated hospital, geographic, mobility and demographic data from 4 sources using Python to create a robust pipeline for modelling and creating dashboards.
- Designed and developed a Power BI dashboard on dynamic data of COVID-19 enabling the insights. Adjusted predictive models to support decision making and logistical planning for the hospitals.

Traffic sign detection and recognition using convolutional neural network method (Jupyter Notebook)   Oct 2020

- Assembled images of traffic signs to create a dataset and preprocessed the data (cleaning and image augmentation). Performed EDA using python libraries (Pandas, NumPy, Matplotlib, Seaborn) for understanding distributions and outliers.
- Designed a two-stage classification model, a binary classifier for detection of only Stop and Non-Stop signs followed by multi-class classifier for classification of various traffic signs which can be implemented in self-driving cars.

New York Property Sales Price Prediction Using Pyspark (Databricks)   Mar 2020

- Analyzed and preprocessed the data using Spark SQL, data visualization using matplotlib, seaborn libraries.
- Developed property sales price prediction model using Spark MLib in Databricks which will help buyers create a plan for investment. Used Random Forest, Linear Regression, K-Means Clustering, Decision Trees models and compared them to find the model with highest accuracy for prediction of target value.

Skills:

Data Visualization: Tableau, Power BI, DOMO, Excel (Functions, formulas, pivot tables, formatting, tables, charts, dashboards)
Databases: SQL (Oracle, MS SQL Server)
Cloud Computing: Amazon Web Services, Google Cloud Platform, Microsoft Azure
Programming: Python (Pandas, NumPy, Matplotlib, Seaborn), R, PySpark, Unix Shell Scripting
Tools: Jupyter Notebook, Databricks, Microsoft's Azure ML, Microsoft Office Suite, ServiceNow, Alteryx, Microsoft Dynamic 365, Git, StarTeam version control
Certifications: Tableau Desktop Specialist, Tableau Analyst

Education:

University of South Florida, Tampa, FL   **STEM Eligible**
Master of Science in Business Analytics and Information Systems, GPA: 3.72/4   Aug 2019 – May 2021
Relevant Coursework: Data Visualization, Data Science Programming, Data Warehousing, ERP
University of Mumbai
Bachelor of Engineering (Electronics)   Jul 2011 – Jul 2015