SHUBHAM BISHNOI

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ABOUT ME

I'm team-oriented and person-centered: My personal approach, active listening, and communication style fosters strong relationships. Few things that interest me are teaching, working with big data, data visualization, A/B testing and working with databases.

EDUCATION

University of Waterloo, Statistics, Honours, Computer Science Minor, Co-operative Program, Class of 2020

WORK EXPERIENCE

Data Engineer 02/2021 – Current
TD Canada Trust Toronto, Ontario

- Utilizing SQL in PySpark to drive transformed big data in JupyterLab to a Tableau dashboard by using Oozie automation to give different line of businesses value of the data analytics
- Initiating standard practices and training the team on JIRA, GitHub, project documentation on Confluence, and privacy processes

Data Analyst 09/2020 – 01/2021
Brookfield Asset Management Toronto, Ontario

- Established a variety of analytic and data driven objectives with the data analytics team of a gas distribution company in Bogota, Columbia
- Worked on increasing efficiency of fraud detecting models using Python and SQL on BigQuery

Data Scientist 09/2019 – 03/2020
Pinpoint Austin, Texas

- Remodeled an existing performance management metric by utilizing clustering techniques and data visualization in Jupyter Notebook and R
- Worked on JIRA tickets by testing code to find and fix bugs to get the Pinpoint Engineering Performance Management product ready for launch

Data Analyst 01/2019 – 04/2019
JANA Solutions Aurora, Ontario

- Worked with the engineering team for FortisBC (Natural Gas Company) on Risk-Based Optimized Infrastructure Assessment of 25 natural gas pipelines in Canada based on individual and societal risk of pipeline rupture

TECHNICAL SKILLS

C, C++, R, Tableau, Python, Alteryx, SQL, Spark, PySpark, Hive, Oozie, PuTTy, MATLAB, QGIS, VBA, JIRA, SharePoint, Latex, Photoshop, Confluence

PROJECTS

Experimental Design

A/B Testing and Hypothesis testing performed in R used to experiment with different features of the online streaming service to reduce the average browsing time.

Solution Finding

Proposed specific rule modifications (e.g. changes to the initial formation, tackling techniques, blocking rules etc.), supported by data, that may reduce the occurrence of concussions during punt plays in NFL.

Prediction Model

Feature Engineering, Generalized Linear Model, Random Forest Model, Deep Learning Model and Stacking in R using h2o library used to create a prediction model for happiness of people based on attributes given. The achieved accuracy was 80.81%.

OTHER WORK

Math Tutor – Humber College
Teacher Intern – Bronte College
Math Resource Assistant – Mohawk College