Simaab Amir

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SKILLS

PROGRAMMING
Python and iPython Notebook, Matlab
Java, C, C++, VHDL
SQL
JavaScript, HTML, and CSS

MACHINE LEARNING TOOLS
Scikit-learn, XGBoost, TensorFlow, Keras
Nltk, Pandas, Numpy, Scipy, Bokeh
Gensim, networkx, OpenCV

SOFTWARE TOOLS
SAP Predictive Analytics
MS Office
MongoDB, PostgreSQL and MySQL
Tableau, Git
Cisco Packet Tracer
BMC Foot Prints

EDUCATION

DATA SCIENCE
Data Camp
Nov 2017 - Feb 2018| Montreal, QC
Excelled in machine learning and data
science coursework

MASTER OF ENGG., ELEC. & COMP. ENGINEERING
Concordia University 3.68/4.30
Sep 2016 - June 2018 | Montreal, QC
Specialized in Telecommunications with
elective courses of Advance Statistics and
Project management

B. TECH., ELECTRONICS AND COMM. ENGG.
B.I.T. Sindri - CGPA 7.2/10
July 2012 - June 2016 | Jharkhand,
India
Graduated with Honors

VOLUNTEER

- Organize weekly fun-activities at Multi Faith Spirituality Center.
- Taught high school courses to more than 400 under-privileged students

EXPERIENCE

ML PLUS | Data Science and Machine Learning Intern
July 2018 – Present | Montreal, QC
- Building a chat bot from scratch using seq2seq model (keras and Tensorflow) which will store questions and answers on MongoDB and to deploy on flask.
- Scraped, cleaned, and tokenized 2000 unique question bank as inputs to sequential model.
- Trained a deep learning model to predict types of nails used in tibial fractures with 74 percent accuracy.

DATA PERFORMERS | Data Scientist Intern
Sep 2018 – Present| Montreal, QC
- Prediction of Dairy Bull Fertility from Field Data(AWS) using PySpark.
- Building dashboard using Bokeh to report KPIs of diferent companies within montreal.

PROJECTS

HOUSEHOLD ELECRICITY USAGE PREDICTION | Jan 2018
- Built a regression model to predict electricity usage of household using Sensors readings, internal and external environment data given in time series format.
- Tableau was used for data visualization and created dashboard giving the choice to users to tweak parameters.

COAL TERMINAL UTILIZATION ANALYSIS | Jan - Feb 2018
Under Research Scholar Faizy Ahsan, School of Computer Science, McGill University
- Developed an algorithm using Machine Learning algorithm (Random Forest) to forecast whether in the coming weeks/months the machines of a Coal Terminal require maintenance.
- Created a storyline using Tableau showing summary of performances.

RETAIL SECTOR FORECAST | Feb - March 2018
In collaboration with Md. Irfan Ghani, Montreal
- Assessed the business environment for a firm which is considering an expansion into three different states using sklearn's multivariate regression.
- Interesting insights were found out such as maximum sales in December because of holidays and worst sales in February due to paying debts.

ACHIEVEMENTS

- Ranked 1st position at Data Science competition organized by ML Plus for building a classifier model with 95% accuracy.
- Recognized by the Golden Key International Honor Society for outstanding academic achievements at Concordia for being in top 15% graduates.
- Merit cum Means Scholarship (2012 - 2016): Indian Govt. funded tuition and living expenses during Bachelor studies.