NAVJOT SINGH

Contact: (902)943-4733
Email: navjotsingh151@gmail.com
Website: navjotsingh151.github.io

A versatile and proficient individual with **4.3 years of experience** in developing predictive models using various machine learning algorithm, natural language processing, providing Business Intelligence Solutions to clients. Motivated Team player and organized person with ability to identify customer needs, make technical recommendations and implement effective IT solutions. Seeking a good position in a progressive organization to leverage the power of analytics to shape better future for everyone.

EXPERIENCE

DECEMBER 2019 – PRESENT
GRADUATE RESEARCH ASSISTANT, SAINT MARY'S UNIVERSITY- HALIFAX

- Working on the **Green Washing Analysis** of 5000+ companies through their website content.
- Scrapped 1M+ screenshot using **Selenium and Python**.
- Created predictive model to classify blank and non-blank Images to remove noise using **python, scikit learn, CNN etc**.
- Created predictive model to detect various objects in the screenshot and find pattern in the greenwashing and the object detected using **python, CNN, AWS S3 etc**.

MARCH 2018 – AUGUST 2019
BUSINESS INTELLIGENCE ENGINEER, GERSON LEHRMAN GROUP

- Created Revenue, EMAIL Outreach **Dashboards** for Stakeholders and Senior – Management in **Tableau** to keep a track of the company KPIs and better decision making.
- Built Churn Analysis **Predictive Model** for analyzing dormant and approaching dormant clients using **Python- NumPy, pandas, scikit-learn, seaborn** to mitigate the customer loss by sales team**.**
- Created testing **framework** for automating **SQL** build processing using **python** and **TSQLT** to reduce the build time.
- Created SQL object in **Data Warehouse** using facts and dimensions modelling in hybrid (**star** & **snow-flake schema**) and managed versioning using **GitHub**.
- Built a **text match** with unstructured data system leveraging **Natural Language Processing, MS-SQL** by following agile methodology to reduce fraudulency in profiling system.

JULY 2015 – MARCH 2018
SENIOR SYSTEM ENGINEER, INFOSYS LIMITED

- End to End Infosys TV Analysis using **MS-SQL, Informatica, Tableau and Actuate** as per the business needs to analysis viewing trend and improve less watched sections.
- Predictive Model for Logistic Client using Python, News feed, user input, seaborn in order to find the safest port for the shipment.

- **Automated** Access Provisioning Tool using **NLTK, Selenium** to reduce support team efforts to manually provide access to the client report.
- **Automation** Platform **using Cognos, SQL Server stored Procedures** to remove the unwanted access and licensing cost.

SKILLS

- **Databases**: MS-SQL, MYSQL, MongoDB, AWS - S3
- **Programming Language:** Python, R, HTML5, javascript
- **Analytic Packages:** Python – pandas, numpy, scikit learn, keras, OpenCV, nltk etc
- **Machine Learning Models, Neural Networks and Web Scrapping**
- **Tools:** PyCharm, Jupyter notebook, eclipse, spyder, Informatica, Tableau, JIRA
- **Version Control Tool:** Git

EDUCATION

SEPTEMBER 2019 - DECEMBER 2020
MASTER'S DEGREE IN COMPUTING AND DATA ANALYTICS
SAINT MARY'S UNIVERSITY - HALIFAX

AUGUST 2011 – MAY 2015
BACHELOR OF TECHNOLOGY (ECE)
PUNJABI UNIVERSITY – INDIA

PROJECTS

- Worked as a **freelancer** for client to gather all the product categories and price listing hierarchy **from French E-COM**.
- Built an **address enrichment solution** in **Service Canada hackathon** using **Python, AWS - S3** to get more details about the address location and categorizing it as residential and nonresidential.
- Created **web-crawler** for music industry client by data - mining from social media website using **Selenium and python- beautiful soup** to get details of the most viewed videos based on user input.

ACHIEVEMENTS

- **3rd Price in Nova Scotia Open Data Contest** by building model to determine the optimum number of doctors and patients suffering from the diseases.
- Member of **Corporate Social Responsibility team** in the company for organizing Charity Events for poor young children.
- **Insta Award** for the innovation and cost saving for the customer.
- **Deep Learning Certification** in Python from Udemy.
- Member of Volleyball team at university and corporate level.