

# NAVJOT SINGH

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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 as Data Scientist in a progressive organization to leverage the power of analytics to shape better future for everyone.

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## EXPERIENCE

**DECEMBER 2019 – PRESENT**

**GRADUATE RESEARCH ASSISTANT**, SAINT MARY'S UNIVERSITY- HALIFAX

- Working on the **Green Washing Analysis** of 5000+ companies.
- 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**.
- Built Churn Analysis **Predictive Model** for analyzing dormant and approaching dormant clients using **Python- NumPy, pandas, scikit-learn, seaborn**.
- Created testing **framework** for automating **SQL** build processing using **python** and **TSQLT**.
- 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.

**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.
- Predictive Model to find Safest Port for Logistic Client – **Python, News feed, user input, seaborn** etc.
- **Automated** Access Provisioning Tool for client reports – using **NLTK, Selenium**.
- **Automation** Platform to reduce Company licensing cost – using **Cognos, SQL Server**.

## 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

## ACHIEVEMENTS

- 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.
- 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**
- Created **web-crawler** for music industry client by data - mining from social media website using **Selenium and python- beautiful soup**.
- Member of Volleyball team at university and corporate level.