

Amandeep Singh

Data Analyst

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Location: Toronto, ON

[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

SUMMARY

Data Analyst skilled in Python, SQL, and AI, with hands-on experience in end-to-end data lifecycle management, from extraction and processing to advanced analytics and visualization. Proven ability to translate complex datasets into actionable insights, optimize workflows, and build innovative, data-driven solutions for business impact. Seeking to leverage expertise in AI and data analytics to drive strategic decision-making.

EDUCATION

Graduate Certificate in Data Analytics
Durham College, Oshawa, ON

Jan 2025 - Aug 2025

Graduate Certificate in Artificial Intelligence
Durham College, Oshawa, ON

Jan 2024 – Aug 2024

Bachelor of Technology in Computer Science & Engineering
Maharshi Dayanand University, HR, India

Aug 2018 – Aug 2022

SKILLS

Programming: Python, SQL, MySQL, TensorFlow

BI Tools: Tableau, Power BI, MS Excel

Relevant Courses: Machine Learning, Natural Language Processing, Probability & Statistics, Data Analysis and Data Mining, Data Structures, Database Management System, Big Data Technologies, MERN Stack

WORK EXPERIENCE

Polstrat Communications Pvt Ltd
Data Analyst Intern

Noida, UP, India

Jun 2023 – Nov 2023

- Worked on a project “**Electoral Roll**”, where aim was to analyze past elections and predict win rate for clients. Performed practices including **Sentiment Analysis, Predictive and Descriptive Analysis**.
- Extracting data by executing **Web Scraping** techniques along with **OpenCV** and **MS Excel**.
- Responsible for analyzing the data pulled from databases and creating reports on **MS Excel** and visualizations on **Power BI** and **Tableau**.
- Responsible for **Automating data extraction** and **data processing** processes using **Python scripting**

Connexio Inc.
Product Manager & Student Ambassador

St. Louis, MO, USA (Remote)

Feb 2019 – Aug 2019

- Developed python scripts to **automate the Data Extraction** process, leading to time to time updated and improved dataset for the product
- Assisted with product needs and resolved problems to maintain **business relationships**
- Implemented **Agile methodologies** to streamline processes and improve overall team efficiency in product development cycles

PROJECTS

Air Quality Analysis and Prediction: ML-based model to predict future air quality and analysis report on **Power BI**. Collected data using **web scraping**. Performed **feature engineering** and **exploratory data analysis**. Used **Random Forest Regressor** to predict Air Quality Index.

Sentiment Analysis Model: Machine learning model built with an **LSTM neural network**, trained on 50,000 IMDb movie reviews. It leverages **tokenization** and sequence padding for **text preprocessing**, classifying sentiments as positive or negative. The model effectively demonstrates skills in **NLP**, **deep learning** with **Keras**, and **data manipulation**.

Sonar Data Classifier: Machine Learning model classifies Sonar data, identifying objects as either Rock or Mine based on 60-dimensional sonar features. It leverages **Logistic Regression** for prediction and evaluates performance using accuracy. The application demonstrates skills in **data preprocessing**, **model training**, and **binary classification**.

Web Scraper: Python-based **web scraper** is designed to extract comprehensive information about universities from the internet. It gathers 10 key features for each institution, including location, type, summary, website, establishment date, enrollment figures, application links, funding links, and acceptance rates. The script demonstrates proficiency in web scraping techniques using libraries like **BeautifulSoup** and **DrissionPage** for efficient data collection.

Cinesense: AI-based movie recommendation web application. Developed with the **MERN Stack** for frontend and backend, and **deployed on Netlify**, it provides personalized movie suggestions based on user preferences. This application showcases skills in **AI**, **full-stack web development**, and **deployment**.

Amazon Sales Analysis: Data Analysis project focused on Amazon Sales for 2023. It involves analyzing sales data to **identify trends and insights**. The project utilizes **Power BI** for **data visualization** and **reporting**, demonstrating skills in **data analysis**, **business intelligence**, and **sales performance insights**.