

# Simarpreet Kaur

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## PROFESSIONAL SUMMARY

Motivated and detail-oriented Data Science enthusiast with hands-on experience in Python, data analysis, data storytelling, and visualization tools such as Tableau. Certified by BrainStation, IBM, and Google, with a strong foundation in machine learning, EDA, and statistical analysis. Adept at translating data into actionable insights to drive decision-making.

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## EDUCATION

### Honours Bachelor of Applied Science, Computer Science

*McMaster University* | Sept 2022 – Present

### Computer Networking and Technical Support

*St. Lawrence College* | Sept 2017 – June 2019

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## CERTIFICATIONS

- **Data Analysis with Python** – IBM
  - **Getting Started with Python** – Google | Credential ID: NF83JSFBDQAX
  - **Go Beyond the Numbers: Translate Data into Insights** – Google | Credential ID: SQRBAWG8QK6Q
  - **The Power of Statistics** – Google | Credential ID : NDGLES25BNUY
  - **Data Science Certification** – BrainStation | Certificate ID: 830-947-036
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## TECHNICAL SKILLS

**Languages:** Python, SQL, Java, C, C++

**Libraries & Tools:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Tableau

**Techniques:**

- Data Cleaning, Transformation & Preprocessing
- Exploratory Data Analysis (EDA)
- Hypothesis Testing & Regression
- Supervised Machine Learning Models
- Data Visualization & Storytelling
- Executive Summary Writing

- Jupyter Notebooks, Google Sheets
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## **PROJECT EXPERIENCE**

### **Titanic Survival Prediction – Kaggle**

- Conducted comprehensive data analysis and cleaning
- Performed feature engineering and trained classification models (Logistic Regression, Decision Trees)
- Evaluated model performance and submitted predictions on Kaggle

### **Waze User Data EDA and Executive Summary**

- Imported, cleaned, and explored user behavior data in Python
- Created box plots and scatter plots to reveal patterns in “drives” and “sessions”
- Answered guided data questions to uncover insights
- Wrote a clear, concise executive summary to communicate findings to team stakeholders using the PACE strategy

### **Lightning Strike Data Visualization – Tableau**

- Worked with a U.S.-based lightning strike dataset to uncover geographic and seasonal patterns
  - Built interactive Tableau dashboards to visualize frequency and intensity of strikes across regions
  - Presented findings using data storytelling techniques to help stakeholders understand high-risk zones and trends
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## **ADDITIONAL EXPERIENCE**

### **Customer Service & Leadership – 6+ Years**

Extensive experience in customer-facing roles across retail, healthcare, and corporate environments.

- Proven ability to handle high-volume customer interactions with empathy and professionalism
- Recognized for maintaining top performance in KPI metrics and customer satisfaction
- Held leadership roles supporting team productivity, training, and operational improvements
- Developed strong interpersonal, communication, and problem-solving skills transferable to data-driven roles

