

# JOY HARRISON

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## SUMMARY

Data Science and Analytics graduate student with hands-on experience building machine learning models, performing exploratory data analysis, and developing business insights from structured datasets. Skilled in Python, SQL, and Power BI, with practical experience deploying ML solutions and creating data-driven dashboards.

## TECHNICAL SKILLS

Python (Pandas, NumPy, Scikit-learn, TensorFlow, Keras)

SQL (MySQL, PostgreSQL)

Data Visualization: Power BI, Matplotlib, Seaborn

Machine Learning: Regression, Classification, Clustering, CNN

Tools: Jupyter Notebook, Git, Streamlit, Excel

## WORK EXPERIENCE

### Machine Learning / Data Science Intern, Externs club Pvt Ltd

Mar 2023 – May 2023

- Cleaned and structured multi-source datasets to improve model readiness and reduce preprocessing time
- Performed exploratory data analysis to identify key features influencing prediction accuracy
- Built and optimized machine learning models using Python to improve classification performance

### Machine Learning Intern, Prodigy InfoTech

Apr 2024 – May 2024

- Built customer segmentation model using K-Means clustering to analyze behavioral patterns
- Developed CNN-based hand gesture recognition system achieving reliable classification performance
- Applied preprocessing and model evaluation techniques to improve prediction accuracy

### Data Analysis Intern, Unified Mentor Private Limited

Apr 2024 – May 2024

- Conducted structured market analysis to identify trends and business opportunities
- Designed interactive Power BI dashboards to visualize key performance indicators
- Presented data-driven insights to support strategic decision-making

### Data Analysis Intern, Miso

Sep 2024 – Dec 2024

- Analysed customer and sales data to identify purchasing trends and growth opportunities
- Cleaned and transformed datasets to ensure accurate reporting and visualization
- Delivered analytical reports with recommendations to support business strategy

## EDUCATION

### Master in Business Analytics and AI

2025 - 2027

Ontario Tech University

### Bachelor of Computer Applications

2022-2025

Amity University

## PROJECTS

### Bird Strike Data Analysis (2000–2011)

- Analysed FAA aviation dataset using Python to identify collision trends and risk patterns
- Performed data cleaning, EDA, and visualization to communicate safety insights

### Electric Vehicle Population Analysis

- Analysed EV adoption dataset to identify regional and vehicle-type trends
- Built visualizations to communicate growth patterns and policy insights

### IPL Performance Dashboard

- Developed interactive analytics dashboard to evaluate team and player performance
- Used match-level metrics to generate comparative performance insights