

# Murtaza Vora

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## EDUCATION

### Northeastern University

*Masters of Professional Studies in Analytics (GPA: 3.75/4)*

Vancouver, Canada

*Sept 2022 – May 2024*

- Founder of Data Analytics Association (Student Interest Group).
- Top 3 in the Problem Pitching competition at the UWBC Hackathon.

### Parul University

*Bachelor of Technology in Information and Technology (GPA: 3.5/4)*

Vadodara, India

*June 2018 – June 2022*

- Marketing Head at Vadodara Startup Festival 2021.
- Student Head of Entrepreneurship Development Cell (2020-2021).
- Winner in Toykathon( Creating toys out of waste).

## SKILLS

**Languages:** Python, SQL Servers, R.

**Technologies:** Time Series Analysis, Forecasting Methods, NLP, Computer vision, **Machine learning**.

**Tools:** PowerBi, MLOps, MS Excel, PowerPoint, Azure, Data Lakes.

**Soft skills:** Communication, teamwork, Presentation.

## WORK EXPERIENCE

### Supervisor

*Upmeals Technologies Inc.*

*Oct 2022 – Present*

- Optimized inventory management systems, achieving a 20% increase in production efficiency and a 15% reduction in costs through strategic resource allocation and streamlined processes
- Collaborated cross-functionally, ensuring smooth scaling processes and quality control.

### Data Scientist

*Jastyu International Pvt Ltd*

*Sept 2021 – August 2022*

- Analyzed customer interactions, boosting satisfaction by 13%.
- Developed machine learning models for secure transactions using python.

### Data Analyst

*Skill Safari*

*April 2020 – April 2021*

- Cleaned and pre-process data, reducing pre-processing time by 35%.
- Built scalable modeling algorithms for large-scale data.

## PROJECTS

### Smart Mobility Solutions (Capstone Project) | *Reinforcement Learning, CV, ML* Jan 2024 - March 2024

- Developed a robust, interactive traffic management data pipeline leveraging Power BI and DAX to generate dynamic dashboards tracking metrics like vehicle count, traffic flow, and congestion hotspots. Optimized real-time data processing, reducing average wait times to 150 seconds.
- Integrated YOLOv9 object detection for real-time traffic analysis, enhancing signal timing precision and road safety. Collaborated with data providers such as TomTom, Stats Canada, and TransLink for seamless data integration into centralized systems
- Generated data-driven insights to improve traffic flow, cut down congestion, and minimize environmental impact, supporting smart city initiatives and transportation efficiency enhancements.

### Coverquick resume analysis(Sponsored) | *Python, NLP, R, PowerBi*

*Dec 2023*

- Engineered a data processing pipeline to analyze over 20,000 data points, uncovering valuable patterns in skills and industry trends for targeted resume improvements.
- Utilized NLP (tokenization, stemming, and lemmatization) to structure and analyze resume data, generating actionable insights to address client challenges and refine recommendations.

## EXTRA-CURRICULARS AND CERTIFICATES

### AIops Fundamentals

*foundational knowledge in AIOps, including using machine learning algorithms to automate and enhance IT processes.*

### Crow Nest Solution | YVR Airport | Hackathon

*April 2024*

- Developed computer vision model using YOLOv9 to detect garbage, human volume, and unattended baggage, creating an alert system and producing log files.