# Shrasth Kumar

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## SUMMARY

Data Analyst with experience transforming complex datasets into actionable insights across operational and customer domains. Skilled in SQL, data quality assurance, ETL workflows, and building stakeholder-facing dashboards. Former ML Data Associate at Amazon, with expertise in maintaining data integrity, KPI reporting, and supporting analytics-driven decisions. Proficient in Power BI, SQL Server, and cloud-based data platforms, with a strong focus on privacy-compliant, high-impact analysis.

## EDUCATION

**Post Graduate Certificate, Big Data Analytics & Artificial Intelligence**          (Sept 2023 – April 2025)

Georgian College, Barrie, Ontario

## EXPERIENCE

**Data Analyst Intern**          (Jan 2024 – Apr 2024)

Capstone Project – Client: CloudPort

1. Built end-to-end ETL workflows and data quality logic to identify fraud in insurance claims using transactional behavior.
2. Developed interactive Power BI dashboards to communicate fraud KPIs and campaign ROI to senior leadership.
3. Collaborated with stakeholders to gather requirements and deliver data products aligned with compliance and financial objectives.

**ML Data Associate I (CXQO Associate)**          (Sept 2019 – July 2023)

Amazon

1. Queried, cleaned, and validated operational datasets using SQL to support large-scale reporting and model evaluation.
2. Created automated scripts to match and process data, reducing manual overhead and improving accuracy.
3. Conducted deep-dives into QA trends and delivered insights via Excel dashboards, leading to a 20% reduction in issue escalations.
4. Partnered with cross-functional teams to improve data tracking for customer-impacting workflows.
5. Ensured data confidentiality in internal audits and aligned all data handling with Amazon's compliance policies.

## TECHNICAL PROFICIENCIES

1. Programming languages: Python
2. Frameworks and Libraries: Flask, Scikit-learn, TensorFlow, Keras, PyTorch, Hadoop, Spark
3. Data Analysis and Visualization: Pandas, NumPy, Matplotlib, Seaborn, Plotly, Tableau, Power BI, Locker Studio
4. Machine Learning and AI: Supervised and unsupervised learning, neural networks, deep learning, reinforcement learning, natural language processing (NLP), computer vision
5. Database Management: SQL (MySQL, PostgreSQL), NoSQL (MongoDB, Cassandra)

## PROJECTS

**Enhancing Canadian Railway Safety (Research-based project)**

Applied AI and advanced analytics to analyze 20 years of Canadian rail occurrence data to identify risk patterns and develop predictive models for safety enhancement. Built an interactive dashboard and developed a web-based platform with a chatbot interface to allow users to explore insights and receive real-time answers. [GitHub](#)