

Yajushi Garg

Data Analyst | SQL | Power BI

437-983-6235 | yajushigarg@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

SUMMARY OF QUALIFICATIONS

- AI-focused Software Engineering graduate specializing in data-driven solutions, automation and Agile delivery
- Strong background in machine learning with hands-on experience in predictive analysis, and model deployment
- Detail-oriented problem-solver with ability to manage multiple concurrent projects and troubleshoot data issues
- Proficient in SQL and Python scripting for automated data processing, ETL pipelines, and ad-hoc queries
- Experienced in building and deploying Power Platform solutions such as Power Apps, and Power BI
- Skilled with AWS and Azure for data workflows, cloud analytics and scalable storage solutions
- Proven ability to gather requirements and present data findings to cross-functional stakeholders

TECHNICAL COMPETENCIES

Programming Languages: JavaScript, Python, C#, SQL, PL/SQL, TypeScript, Java, PySpark, Bash
Data Analysis & Visualization: Matplotlib, Pandas, Seaborn, NumPy, SciPy, Plotly, Power BI, Tableau
Tools: Microsoft Office Suite, Microsoft Copilot 365, Docker, Jira, Power Apps, SharePoint, GitHub
Big Data & Cloud Platforms: AWS, Microsoft Azure, Google Cloud, Databricks, Apache Spark
Databases: MySQL, Oracle, MongoDB, Microsoft SQL Server, Supabase (Postgres), DynamoDB
Data Transformation: XML, XSLT, XPath, JSON, Parquet, data mapping
ML Libraries: TensorFlow, Scikit-Learn, PyTorch, Spacy

EDUCATION

Software Engineering Technology - Artificial Intelligence (GPA of 4.29/4.5) **Sept 2022 – Dec 2025**

Centennial College, Toronto, ON

Related Courses: Full Stack Development | Database Management | Neural Networks | IT Project Management | Machine Learning | Supervised Learning | Unsupervised Learning | UI/UX Design | Testing & QA | Unix/Linux

CERTIFICATIONS

- Azure Data Fundamentals DP-900 | Microsoft | 2024
- Databricks Lakehouse Fundamentals | Databricks | 2024
- Google Cloud Essentials | Google | 2023

RELEVANT EXPERIENCE

IT Technologist Intern (Co-op) | Centennial College | Toronto, ON **May 2025 - Aug 2025**

- Built a Power Apps system to streamline inventory tracking and automated reporting
- Designed Power Apps forms with Excel integration for real-time validation and updates
- Programmed QSC software systems and supported multiple installation and implementation projects
- Documented knowledge base articles, troubleshooting guides and system configurations for future reference

Software Lab Assistant (Co-op) | Centennial College | Toronto, ON **Sept 2024 - Dec 2024**

- Deployed a full-stack app on AWS EC2 instance with Nginx following CI/CD and agile practices
- Resolved 502 and CORS errors by optimizing Nginx and Express configurations for stable performance
- Troubleshot software, hardware and network connectivity issues for students and staff in computer labs
- Documented setup and troubleshooting procedures to ensure repeatable and scalable processes for the team

Data Analyst Intern (Co-op) | Scriptics Tech. | Toronto, ON **May 2024 - Aug 2024**

- Performed data extraction, transformation, and loading (ETL) across multiple data sources.
- Built interactive Power BI dashboards and reports to communicate data findings to stakeholders.
- Used Excel (VLOOKUPS, pivot tables) to cross-validate report outputs and flag data discrepancies.
- Executed SQL queries for data validation and quality checks, communicating issue resolution to stakeholders

Software Developer Intern | GAO Tek | Toronto, ON **Feb. 2023 - May 2023**

- Developed 10+ business websites in Agile sprints to plan, review code, and brainstorm sessions
- Performed end-to-end QA testing on web projects and tracked defects in Bugzilla to prioritize and resolve issues
- Conducted research across 5+ industry verticals to identify potential markets trends and gather business insights

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HACKATHON PROJECT

3rd Prize Winner - Protect Track and Collect (PTC App) | TTC & WIMTACH Student Hackathon

- Served as Team Lead developing a TTC safety app with SOS, emergency reporting, and live feed capture
- Designed Lost and Found function providing precise bus location data to improve operational efficiency
- Implemented a cv2-powered chatbot to handle frequently asked questions and enhance user support

ACADEMIC PROJECTS

AWS Voice Sentiment Analysis System

- Built voice sentiment analysis system using AWS Transcribe, Comprehend, and Polly for customer feedback
- Implemented serverless REST API with AWS Chalice and S3 for automated sentiment processing
- Created web dashboard with Chart.js for real-time sentiment visualization and audio summaries
- Designed RESTful microservices with serverless deployment using cloud-native standards

Luminate AI Tutor - Multi-Agent Educational Tutoring System

- Built multi-agent AI tutoring system using LangGraph, ChromaDB, and Gemini API for personalized support
- Designed agentic workflows with query routing, context retrieval, and response generation components.
- Created technical documentation including system architecture specifications and data flow diagrams.

Supervised Machine Learning | Toronto Police Service

- Pre-processed, built & fine-tuned 'Toronto Police - traffic collisions' public data
- Developed a predictive machine learning model to predict fatal or non-fatal injury in collisions capabilities.
- Used Logistic Regression, Random Forest, Decision Tree, KNN and SVM for the machine learning models.

NLP & Recommender System | Amazon

- Built sentiment analysis system using ML models (Logistic Regression, Naive Bayes, SVM, Random Forest) and rule-based tools (VADER, TextBlob).
- Performed text preprocessing with TF-IDF vectorization and compared model performance for optimal accuracy
- Implemented automated review summarization and enhanced rating generation using multi-model sentiment scores

CO-CURRICULAR ENGAGEMENT

Street Team Member (Part-time) | Centennial College | Toronto, ON

May 2024 – Present

- Collected student feedback on programming to inform and improve future iterations
- Managed student-facing content and resources via SharePoint to ensure accurate and accessible information
- Supported campus-wide student programming including orientation, welcome-back events, and wellness initiatives