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# TEJAS JAYAPRAKASH

Toronto, Ontario | tejasjayprakash@gmail.com | https://www.linkedin.com/in/tejas-jay-23809a15b/

## PROFESSIONAL SUMMARY

Results-driven Analytics Engineer with extensive experience in designing and implementing data solutions. Proficient in Python, SQL, and ETL processes, with a strong focus on optimizing performance and ensuring data integrity in cloud-based environments. Proven ability to generate actionable insights and improve operational efficiency.

## SKILLS

Python, SQL, Azure Data Factory, PySpark, Spark SQL, ETL, Data Engineering, Data Warehousing, Microsoft Fabric, BigQuery, Tableau, Looker Studio, Data Security, Cloud Computing, Machine Learning, Statistical Modeling, Fraud Analytics.

## PROFESSIONAL EXPERIENCE

Cogeco Connexion Inc

Analytics Engineer, Automation of Tools & Processes

Jun 2022 - Present

- Designed and implemented a project information management system, reducing management time, generating 1.4 million in additional revenue, and supporting service expansion across Canada and select US states.

- Automated invoice management by integrating current data into GCP's BigQuery, achieving $50K per month in cost savings and 100% accuracy in duplicate payment identification using Tableau and Looker Studio.

- Developed performance analysis solutions that increased appraisal accuracy by 30% and reduced

report compilation time by 70% through optimized BigQuery queries.

- Implemented an SLA compliance solution for contractors, resulting in a 25% reduction in contract violations and saving $100K quarterly.

- Achieved $470K annual cost savings by fully automating tasks and establishing KPI frameworks across teams using Google Workspace, BigQuery, and Tableau.

PwC

Data Analyst

Mar 2019 - Mar 2020

- Created an AI application that reduced resource costs by 20% and mitigated financial crime risk by 15% through unsupervised machine learning integration and KPI visualization in Tableau.

- Developed a dynamic anti-fraud engine that identified $1.5M in financial crimes within six months using rule-based algorithms for money laundering detection.

- Collaborated with cross-functional teams to build real-time data pipelines with Kafka, enhancing fraud detection rates by 25%.

Amazon Development Centre

Transaction Risk Analyst

Mar 2017 - Dec 2019

- Developed performance dashboards for Amazon Pay services, detecting over 500 fraudulent activities and reducing potential regulatory fines by millions.

- Improved overall fraud detection rates by 30% through data analysis and the implementation of proactive fraud-triggering rules.

- Automated ticketing processes, reducing manual workload by 15 hours per week and increasing operational efficiency by 25%.

INTERNSHIPS

Essex Powerline Corporation

Analytics Engineer

Jan 2022 - Apr 2022

- Created an automated optimization tool that improved project prioritization accuracy by 20% and boosted asset managers' selection efficiency by 30% through advanced risk analysis techniques.

iNeuron

Data Scientist

Jan 2021 - Sep 2021

- Developed an advanced automation solution enabling real-time detection and shutdown of machinery, achieving a 72% mean Average Precision (mAP) and enhancing operational safety.

EDUCATION

St. Clair College

Data Analytics for Business

Graduation Date: Apr 2022

Sri Venkateswara College of Engineering

Bachelor of Engineering in Mechanical Engineering

Graduation Date: Jun 2016

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