

# FENIL PATEL

Toronto, Ontario

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## SUMMARY

Data-driven **Data Analyst** with a Master's in Big Data Analytics and proven success in building **ETL pipelines**, automating workflows, and creating interactive **dashboards** to drive data-informed business decisions. Skilled in **data modeling, statistical analysis, predictive analytics, and data visualization** using Python, SQL, Power BI, and Tableau. Adept at translating complex datasets into actionable insights, improving operational efficiency, and supporting strategic initiatives.

## SKILLS

SQL, Power BI, Tableau, Python, R, Data Visualization, Predictive Analytics, Data Mining, A/B Testing, Linear Regression, Logistic Regression, Time Series Forecasting, NLP (Natural Language Processing), Data Manipulation, statistics, ability to work independently, communication skills, AWS, Data Storytelling, Business Intelligence, KPI Reporting

## WORK EXPERIENCE

### LOANDASH

Dec 2023 - Dec 2024

Data Analyst

- Automated ETL workflows and built Power BI dashboards, reducing turnaround time by **22%**.
- Improved approval rates by **18%** through loan data analysis and partner bank insights.
- Created customer segmentation models, increasing campaign conversions by **15%** using Python, SQL, and Excel.

## EDUCATION

### Trent University

Jan 2024 - Apr 2025

Master's in Data Analytics

GPA: 3.9/4.0

### Ganpat University

May 2019 - May 2023

Bachelor's in Computer Science

GPA: 3.2/4.0

## PROJECTS

**Climate-Driven Habitat & Genomic Adaptation Analysis of Wild Yak** | Python, Scikit-learn, Pandas, NumPy, TerraClimate, WorldClim, GeoPandas, Matplotlib

- Built an end-to-end pipeline to analyze climate change impacts on habitat suitability and genetic resilience.
- Collected, cleaned, and corrected geospatial data; trained a Random Forest model (AUC: **0.999**) for 2050 climate scenario predictions.

**Secure Career Guidance System** | Python, Flask, AWS, MongoDB, Tableau, Lucidchart

- Developed a web app recommending career paths using classification models (KNN achieved highest accuracy).
- Integrated Tableau dashboards and Lucidchart workflows to enhance UX and engagement.

**Seoul Bike Trip Duration Prediction** | SPSS Modeler, Python, Excel

- Applied CRISP-DM methodology to predict bike trip duration from a **96M-row** dataset.
- Engineered predictive features and trained regression models, with Random Forest delivering the best RMSE.

## CERTIFICATIONS

- IBM Data Science Professional Certificate (Coursera)**: Comprehensive training in data analysis, visualization, machine learning, and Python programming.
- Big Data Foundations with IBM (Coursera)**: Gained knowledge of big data concepts, Hadoop ecosystem, and large-scale data processing.
- Intermediate Python (DataCamp)**: Developed skills in data manipulation, control flow, and working with Python libraries.
- Intermediate SQL (DataCamp)**: Strengthened ability to write complex SQL queries for data retrieval and analysis.
- Joining Data in SQL (DataCamp)**: Learned advanced joins, set theory clauses, and subqueries for combining datasets.
- AWS Cloud Architecting (Coursera)**: Acquired skills to design, build, and manage scalable cloud solutions on AWS.