Chintan Patel

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PROFESSIONAL SUMMARY

Entry-Level Data Science and Machine Learning professional currently pursuing a Post Graduate Diploma in Integrated Artificial Intelligence at SAIT (Calgary). Strong foundation in statistical analysis, predictive modeling, feature engineering, and explainable AI. Hands-on experience building end-to-end ML pipelines and translating business problems into data-driven solutions. Open to Co-op / Internship opportunities (Available August 2026). Eligible to work in Canada.

CORE COMPETENCIES

- Statistical Modeling
- Machine Learning Pipelines
- Data-Driven Decision Making
- Business Problem Translation
- Analytical Thinking
- Collaborative Teamwork
- Model Evaluation & Validation
- Data Cleaning & Preprocessing

TECHNICAL SKILLS

Programming: Python, SQL, Git

Data Analysis & Processing: Pandas, NumPy, EDA, Feature Engineering, Data Cleaning

Machine Learning: Scikit-learn, Classification, Regression, Cross-Validation, Model Selection

Time Series Analysis: Trend Analysis, Seasonality Detection, Forecasting (MAE, RMSE)

Model Explainability: SHAP, Feature Importance

Visualization: Matplotlib, Seaborn

Deployment & Tools: Streamlit, REST APIs, Docker (Basic), Jupyter Notebook, GitHub

PROJECT EXPERIENCE

Customer Churn Prediction with Explainable AI

- Developed an end-to-end machine learning classification pipeline using Python and Scikit-learn.
- Performed feature engineering, hyperparameter tuning, and cross-validation.
- Evaluated models using Precision, Recall, F1-score, and ROC-AUC metrics.
- Applied SHAP for model interpretability to identify key churn drivers.
- Delivered actionable business insights to support retention strategies.

Retail Sales Forecasting – Time Series Analysis

- Conducted exploratory data analysis to identify trends and seasonal patterns.
- Built forecasting models and evaluated performance using MAE and RMSE.
- Generated demand planning insights to support inventory optimization decisions.

E-Commerce SQL Analytics Project

- Wrote advanced SQL queries to compute revenue KPIs and customer performance metrics.
- Performed customer segmentation and purchasing pattern analysis.
- Presented findings as data-driven business recommendations.

EDUCATION

Post Graduate Diploma – Integrated Artificial Intelligence (In Progress)

Southern Alberta Institute of Technology (SAIT), Calgary, AB

Expected Completion: August 2026

Post Graduate Certificate – Supply Chain Management & Logistics

MacEwan University, Edmonton, AB

January 2025 – December 2025

Bachelor of Engineering – Computer Science

ITM University, Gujarat, India

2013 – 2019