Vidhi Parmar

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SUMMARY

Curious and driven Data Science student passionate about making data tell a story. Skilled in Python, NLP, and forecasting, with hands-on experience building smart tools and visual dashboards. Always exploring new ideas, leading projects, and pushing boundaries. Open to co-op and internship opportunities to learn, build, and make an impact.

SKILLS

Programming & Tools: Python (Pandas, BeautifulSoup, Scikit-learn, Matplotlib, Seaborn, Statsmodels), Jupyter Notebooks, SQL, GitHub, Power BI, R, Excel, MongoDB, Streamlit
Machine Learning & Analytics: Time Series Forecasting (SARIMA), BERT embeddings, Logistic Regression, Feature Engineering, NLP (Natural Language Processing), Regex, Classification, Data Wrangling, Data Visualization
Organization & Communication: Microsoft Office, Strategic Thinking, Problem Solving, Cross-Team Collaboration, Leadership, Presentation Skills, Report Writing, Task Management

EDUCATION

Honours Bachelor of Data Science and Analytics – Seneca Polytechnic, North York Sep 2023 – May 2027

- GPA: 4.0 – President's Honour List (x3)
- Relevant Coursework: Data Preparation, Statistical Methods, Predictive Modeling, Data Mining & Machine Learning, SQL & Database Systems, Programming in Python, Data Visualization

EXPERIENCE

Service Hub Student Ambassador – Seneca Polytechnic, North York Dec 2024 – Present

- Serve as first contact for campus visitors, triaging inquiries efficiently.
- Sharpen communication and problem-solving skills essential for collaborative research environments.

Club President – AI Seneca, North York Sep 2024 – May 2025

- Organized and hosted events, including a Q&A session with an experienced Amazon data scientist.
- Led recruitment and selection for 50+ volunteer applicants, building a strong team to execute club initiatives.

PROJECTS

Credit Card Spending Tracker + Dashboard | Python, Pandas, Scikit-learn, BERT, TF-IDF, Streamlit, GitHub
GitHub: github.com/ouidhi/spending_tracker

- Built automated NLP pipeline combining TF-IDF and BERT embeddings for transaction categorization, achieving 87% accuracy.
- Developed an interactive Streamlit dashboard enabling users to upload CSVs, auto-categorize transactions, and visualize spending patterns through dynamic charts and tables.

Music Genres Trend Analysis & Forecasting | Python, PyTrends, Statsmodels, SARIMA, Matplotlib, GitHub
GitHub: github.com/ouidhi/future_of_genres

- Extracted and cleaned 7 years of monthly Google Trends data for 9 music genres using PyTrends API; engineered a high-quality time series dataset for forecasting cultural shifts.
- Developed and validated SARIMA models to capture seasonality and trends, producing accurate 24-month genre popularity forecasts with <10% MAPE, supporting data-driven insights into music industry dynamics.
- Documented and visualized findings to support strategic industry forecasting.

Cinematic Insights | Python, Pandas, BeautifulSoup, Matplotlib, Seaborn, GitHub
GitHub: github.com/ouidhi/cinematic-insights

- Automated scraping of 500+ film production companies; cleaned and structured data for analysis.
- Performed exploratory data analysis and visualized industry trends (geography, lifespan, growth) with Pandas and Seaborn; documented process and results on GitHub.