# GOVIND PATWAL

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LinkedIn: www.linkedin.com/in/govindpatwal | GitHub: https://github.com/Govind-Patwal
Portfolio: https://govind-patwal.github.io

Python Programmer and Data Analyst with a certificate in Data Analytics and Visualization (Grade: A+) from the University of Toronto and years of experience in Sales and Project Management. Skills acquired from role as a Sales Executive include oral, written and presentation skills, ability to explain technical topics to non-technical audience, meeting deadlines, navigating competing priorities, and working under pressure in fast-paced environments. Skills acquired from a role as a Project Manager include scope, schedule, cost, quality, resource, risk, communication, stakeholder and risk management. Considers team work to be one of the biggest strengths - once worked with an external team to devise a win-win solution for the customer, own employer and the external team. Skilled in Python, Pandas, SQL, AWS, Tableau, Machine Learning and Deep Learning. Finds great satisfaction in extracting insights from data that inform decision-making and drive growth, and improving code by refactoring.

## TECHNICAL SKILLS

**Languages**: Python, SQL
**Applications**: GitHub, PostgreSQL, GIT, AWS, Django, Flask, Tableau, SQLAlchemy
**Tools**: Pandas, NumPy, Jupyter Notebook, Scikit learn, TensorFlow

## PROJECTS

**European Hotel Analysis:** https://github.com/Govind-Patwal/European_Hotel_Analysis
Project objectives  - help users find the best hotel; second, help hotel owners know how customer sentiments are changing over time; and third determine the ML model that predicts the sentiments the best.
- Role: 1 of 3 contributors - I was responsible for ETL, ERD, Schema and DB creation, ML and DL NLP models and creating a model to predict sentiment based on input.
- Language & Tools: Python, PostgreSQL, AWS, PySpark, Google Colab, Tableau

**Movies ETL:** https://github.com/Govind-Patwal/Movies_ETL
Perform ETL (Extract-Transform-Load) on raw data from a scrape of wikipedia for all movies released since 1990, Kaggle metadata and rating data from MovieLens website.
- Role: Sole author
- Language & Tools: Python, SQL, SQLAlchemy

**World Weather Analysis:** https://github.com/Govind-Patwal/World_Weather_Analysis_To_Create_Travel_Itinerary
The App is focused on travellers. Based on the preference of the temperature range of a user, it suggests hotels and the travel routes between the corresponding cities.
- Role: Sole author
- Language & Tools: Python, citipy, Weather Map API, gmaps API

## RELEVANT WORK EXPERIENCE

**34 Interactive**
**Python Consultant (Freelance)**                                                                                    Jan 2021 - Present
- Consulting and working on ETL projects involving Python, Pandas and PostgreSQL

## EDUCATION

**University of Toronto, Toronto, Canada**
Certificate in Data Analytics and Visualization, Grade: A+
- A 24-week intensive program focused on gaining technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Big Data, Machine Learning, and Deep Learning.
- Completed 19 Solo projects and 1 group project
- Scored 99.18% overall

**Sikkim Manipal University, Chandigarh, India**
Master of Business Administration, Information Systems, Grade: A
- Computer subjects covered: Software Engineering, Database Management System, Computer Networks, Business Intelligence and Tools, E-commerce, Technology Management, Java and Web Design

**Indira Gandhi National Open University, New Delhi, India**
Bachelor of Computer Applications
- Some subjects covered: Foundation course in Mathematics for Computing, Differential and Integral Calculus, Algebra, Analytical Geometry, DBMS, TCP/IP programming, Visual Basic, Data Structure through 'C' Programming and Data Structure, Intro to C++, C++ and Object Oriented Programming, Introduction to Internet Programming (JAVA, ACTIVEX)