**GOVIND PATWAL**

Phone: (647) 448-9325 | Email: [getintouchwithgovind@gmail.c](mailto:getintouchwithgovind@gmail.com)om | Toronto, Canada

LinkedIn: [www.linkedin.com/in/govindpatwal](http://www.linkedin.com/in/govindpatwal) | GitHub: <https://github.com/Govind-Patwal>

Portfolio: [https://govind-patwal.github.io](https://govind-patwal.github.io/)

**SUMMARY**

Competent and Qualified Data Professional and Python 3 Programmer

Finds great satisfaction in defining and solving problems, extracting insights from data, and improving code by refactoring.

**TECHNICAL SKILLS**

**Language(s)**: Python 3, SQL

**Applications/Tools/Libraries comfortable with**: pandas, random, pyspark, turtle, json, requests, requests\_get, copy, pytest, tensorflow, scikit-learn, PostgreSQL,Tableau

**OTHER SKILLS**

* Oral, written and presentation: ability to explain technical topics to non-technical audience
* Working under pressure in fast-paced environments, meeting deadlines, and navigating competing priorities
* Team Work: being mentored and mentoring

**PROJECTS**

**Coffee Production Quality Prediction:** https://github.com/Govind-Patwal/coffee\_production\_v8\_github\_repo

Project objective(s) - Predict the quality of output from a Coffee Production plant, use the prediction to improve the quality of output and thus increase the profitability of the company

* Role: Sole author
* Language & Tools: Python 3, Random Forest ML, Jupyter Notebook, PostgreSQL, AWS RDS, Flask, Heroku

App URL: https://coffee-prod-v8.herokuapp.com/

**European Hotel Analysis:** <https://github.com/Govind-Patwal/European_Hotel_Analysis>

Project objective(s) - help users find the best hotel; help hotel owners know how customer sentiments are changing over time; and 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>

Project objective(s) - 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>

Project objective(s) - suggest hotels and the travel routes between the corresponding cities based on the temperature range selected by a user

* Role: Sole author
* Language & Tools: Python, citipy, Weather Map API, gmaps API

**RELEVANT WORK EXPERIENCE**

**Data Science Co-op**, RTS Automation  *May 2021 - Present*

* Solving real-world problems using Machine Learning in Python

**Python Consultant** **(Freelance)**, 34 Interactive  *Jan 2021 - Present*

* Consulting on ETL projects involving Python and Pandas

**RELEVANT EDUCATION**

**Certificate in Data Analytics and Visualization**, Grade: A+, University of Toronto *Dec 2020*

* Intensive program focused on gaining technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Machine Learning, and Deep Learning
* Completed 19 Solo projects and 1 group project

**Python 3 Programming Specialization** by University of Michigan on Coursera *April 2021*

* Topics covered: variables, conditionals, loops, functions, list comprehensions, lambda expressions, class inheritance
* Capstone Project: Optical character recognition (OCR) and object detection in images

**Bachelor of Computer Applications**, Indira Gandhi National Open University, New Delhi

* Technical degree focused on preparing students for a career in the field of computer applications and [software development](https://en.wikipedia.org/wiki/Software_development)
* 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)

**OTHER CERTIFICATES**

* **Python**, kaggle
* **Pandas**, kaggle
* **Business Analytics with Excel**, Simplilearn
* **Data Science with R**, Simplilearn
* **Marketing Analytics and Customer Evaluation**, Indian Institute of Management - Kashipur
* **Statistics Foundations**: 1,2, and 3, Lynda.com
* **PMP** (Jan 2013-Jan 2016)

**LIFE-SAVING** **TRAININGS**

* **Standard First Aid & CPR/AED Level C**, Canadian Red Cross
* **Fire Warden Training**, LRI

**HOBBIES AND INTERESTS**

* **Running**: I have been participating in running competitions since Grade 11. Over time, I received coaching tips from Sandra Inoa (coach of Khalid Khannouchi, former WR holder for the Marathon) and finished 7 Half Marathons, with a personal best of 1:50:48. Have also coached 5 colleagues to finish a 5k run.
* **Adventure Activities**: Have done tandem paragliding, Scuba diving, Bungee jumping and Hiking. Plan to get a solo Paraglider licence.
* **Volunteering**: Volunteered to be on the First-Aid, and the Fire Warden Teams.I later accepted the position of the Fire-warden team lead. Responsibilities as a lead included ensuring adequate manpower, signing team members for training, creating fire-exit-plans, explaining procedures to be followed during a fire, and procuring and distributing Fire Warden kits.