

GOVIND PATWAL

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Portfolio: <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

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

- Performing descriptive and predictive analysis to optimize processes

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
- 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.