

# GOVIND PATWAL

PYTHON PROGRAMMER | DATA ANALYST | ML ENGINEER

(647) 448 9325 | Toronto, Canada | [getintouchwithgovind@gmail.com](mailto:getintouchwithgovind@gmail.com) | [www.linkedin.com/in/govindpatwal](https://www.linkedin.com/in/govindpatwal)  
[www.github.com/govind-patwal](https://www.github.com/govind-patwal) | [www.govind-patwal.github.io](https://www.govind-patwal.github.io)

## PROFESSIONAL SUMMARY

Python Programmer and Data Analyst with a certificate in Data Analytics and Visualization (Grade: A+) from the University of Toronto and a Bachelor Degree in Computer Applications/Science. Brings loads of transferable skills from years of experience in Sales and Project Management. Considers team-work to be the biggest strengths. Finds great satisfaction in extracting insights from data, improving code by refactoring and finding new solutions to challenges.

## TECHNICAL SKILLS

**Primary Language:** Python 3

**Database:** PostgreSQL

**Python Libraries:** pandas, matplotlib, plotly, pyspark, json, pytest, tensorflow, sklearn, psycopg2, sqlalchemy

**Python Framework:** Flask

**Primary Source-Code Editor:** VS Code

**Primary Source Code Hosting Service:** GitHub

**Other Languages/Tools Used:** MongoDB, Tableau, AWS RDS, S3, HTML, R, JavaScript, C++

## TRANSFERABLE SKILLS: From Experience as a Sales and Project Manager

Project Management (Agile & Waterfall)  
Creative  
Problem-Solving

Result-Oriented  
Time Management  
Team Management

Teamwork  
Attention to Detail  
Communication

## CERTIFICATIONS

**Certificate in Data Analytics and Visualization** | A+ | UofT 2020  
Topics covered: Excel, VBA, Python, Pandas, R, JavaScript, PostgreSQL, AWS, Tableau, Machine Learning, Deep Learning

**Python 3 Programming Specialization** | University of Michigan on Coursera 2021  
Topics covered: Functions, Files, Dictionaries, Data Collection and Processing, Classes and Inheritance

**Python Certification** | Kaggle 2021

**Pandas Certification** | Kaggle 2021

**Executive Certificate in Marketing Analytics and Customer Valuation** | IIM-K 2017

**Statistics Foundations: 1, 2 and 3** | Lynda.com 2017

**Business Analytics with Excel** | Simplilearn 2017

**Data Science with R** | Simplilearn 2017

**PMP** | PMI | Expired 2016 2013

## EDUCATION

**Bachelor's Degree** | Indira Gandhi National Open University, India 2006  
Computer Applications/Science

**Master's Degree** | Sikkim Manipal University, India 2010  
Business Administration (Major - Information Systems)

# GOVIND PATWAL

## WORK EXPERIENCE | Field - Python Programming and Data Science

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### Data-Science Intern

RTS Automation | Toronto

May, 2021 - Present

RTS Automation provides Manufacturing Business Intelligence along with “Leading technologies “ to achieve Manufacturing Operational Excellence.

- Translated RTS management and partner requirements and suggestions into IT solutions in Python
- Extracted raw and unorganized data and transformed into usable data using Pandas in Jupyter Notebook
- Created a proof-of-concept (POC) in Python using Flask as the Framework, Random Forest as the ML model, PostgreSQL as the DB, and AWS RDS as the cloud data storage.
- Refactored code multiple times - created as many as 15 versions of an app, each time improving code's quality and documentation (functionality, speed, and readability)
- Provided intuitive visualization using interactive bar, pie and time series graphs using plotly.express and plotly.graph\_objects
- Delivered improvements in sprints of 1 or 2 weeks, many times by quickly learning new skills

## WORK EXPERIENCE | Field - Sales Management

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### Account Manager

Dell Technologies | Toronto

2018 - Present

- Recognized and promoted two times in 3 years because of team-initiatives and consistently exceeding quota targets
- Volunteered to be amongst the first people to master a mission-critical new tool. Became the go-to for the tool resulting in increased adoption and success
- Volunteered to improve a major KPI of the team. Analysed past data, formulated a plan, convinced team-members of the why, ensured execution by weekly encouragement and accomplished a 20% increase in the KPI. Took the team on the top of the team standings for that KPI resulting in shout-out from the management
- Volunteered to be a First Aider (based on my CPR certification) and the Fire Warden Team Lead

### Territory Account Manager

Adobe | New Delhi

2016 - 2018

- Awarded with Sales Achievement Award for consistently meeting sales quotas
- Recognized by Business Unit (BU) Manager, for commitment to customers, and awarded with **Top Customer Advocate** Award
- Volunteered to improve the voicemail call-back of the BU (Business Unit). Analysed past data, prepared scripts and explained them to the team. Resulted in 10% increase in voicemail call-backs

### Sales Manager

DeFacto Infotech | Chandigarh

2014 - 2016

- Acquired the most profitable and biggest customer for the company
- Increased new business by about 30%, response rate by about 20%, and conversion rate by about 10% by improving intra and inter team collaboration
- Volunteered to be a Scrum-master and helped save the biggest customer

## WORK EXPERIENCE | Field - Project Management

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### Project Manager

Sebiz Infotech | Chandigarh

2008 - 2014

- Successfully managed over 200 SEO projects under a multitude of Scope, Time, Cost, and Resource constraints
- Streamlined processes in my team resulting in decreasing idle time and doubling productivity in strategic areas
- Invented several new services to be offered to the clients