GOVIND PATWAL

PYTHON PROGRAMMER | DATA ANALYST | ML ENGINEER

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[www.github.com/govind-patwal](http://www.github.com/govind-patwal)| [www.govind-patwal.github.io](https://govind-patwal.github.io/index.html)

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) Result-Oriented Teamwork

Creative Time Management Attention to Detail

Problem-Solving Team Management 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)

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WORK EXPERIENCE | Field - Python Programming and Data Science

**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

**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

**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