

Aman Goyal



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in

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Data-driven programmer having 2+ years of experience in Big Data and Data Science with a key focus on deliveries. Delivered valuable insights for the FX clients at HSBC. Advanced knowledge in Machine Learning, Python and InfoSec.

Skills

PYTHON

Pytorch
Tensorflow
Pandas
Numpy
Flask
scikit-learn

BIG DATA

Spark
Hive
HDFS

CLOUD

GCP
AWS

LANGUAGES

Python
Scala
Java
Bash
C++

INFORMATION SECURITY

OWASP Top 10

Education

L.D. College of Engineering
B.E. I.T. 2018

June 2014 to June 2018

Dayamayi Mata Higher Secondary School
HSC 2014

June 2000 to April 2014

Employment

HSBC

Pune, Maharashtra

Data Scientist

Nov. 2019 to Current

Worked on creating "insights" for an application called - **Insight Centre**, as part of the Sales Analytics project. It is an application used by the salespeople to get some information about their clients which would otherwise be hidden in the data noise, which in turn brings more FX business to HSBC.

- Insights are created using Python by reading data from various sources like DB and SSE.
- Insights are delivered to other applications using an API written in Flask
- Iterative development using agile methodologies
- Created 30% of all the insights in production
- TDD and BDD in Python

Big Data Developer

July 2018 to Nov. 2019

Worked on Project **Client Profitability**, which is a data lake where data from several source systems is ingested in Hadoop cluster and various types of operations are performed on this data using Hive, Scala, Spark to calculate numerical measures important for the bank, like RoRWA and RoTE

- Development of ETL code using Spark and Scala
- Made use of shell and python scripts to perform ETL
- Development of Hive scripts for calculations of RoRWA and RoTE
- Enhanced the existing CI-CD pipeline using Github, Jenkins and Ansible

CIGNEX Datamatics

Ahmedabad, Gujarat

Machine Learning Intern

June 2017 to July 2017

- Created a **document classifier** on a certain legal dataset using SVM that gives predictions with very high accuracy
- Created a RESTful Architecture over the classifier using Python and Flask, to let other developers make use of the model with custom dataset and minimal knowledge about the underlying logic
- Created a REST consumer using Spring Boot which helped the users consume the model APIs

Projects

Document Classifier - Multiclass

- Created a document classifier for a multiclass dataset using Support-Vector Machine.
- Created a RESTful Architecture over the classifier using Python and Flask, which exposes the train and test endpoints

Facebook Messenger Bot

- A Facebook Messenger Bot that consumes OmDB APIs to populate movie or tv-show related details in messenger app
- The bot uses Graph API provided by Facebook
- The bot is developed in Python with Flask and is hosted on Heroku

Gif You

- Made use of the public GIPHY API to make customized gifs web app
- App is hosted on heroku, and is written in Python with Flask

Spam Detector as a browser extension

- As a browser extension, created a model to detect spam texts by exposing REST APIs built around the classifier using Flask
- Worked with different classification algorithms such as SVM, TfIdf, AdaBoost and RandomForest