

# ROHIT SWAMI

## CONTACT

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## SKILLS

**Languages:** Python, C/C++, SQL, HTML, CSS, JavaScript

**Libraries:** NumPy, Pandas, Scikit-Learn, SciPy, Matplotlib, D3.js, PyTorch, Keras, NLTK, Bootstrap Framework, Material Design Concept

**Data Analysis:** Linear Regression, Statistics, Model Development & Evaluation Metrics, Ensemble Methods, Data Wrangling, Data Visualization, Data Warehousing, Quantitative Methods, Exploratory Data Analysis, Google Analytics

## EDUCATION

**B.TECH, MAJOR IN COMPUTER SCIENCE**  
LOVELY PROFESSIONAL UNIVERSITY  
2016 - 2020

**DATA SCIENTIST NANODEGREE PROGRAM**  
UDACITY  
2018 - 2019

## HONORS & AWARDS

**HACKATHON 2.0, INFOSYS**  
QUEUE MANAGEMENT SYSTEM (WINNER)

**PROJECT COMPLETION CHALLENGE**  
IDENTIFY CUSTOMER SEGMENTS (WINNER)

## PROFILE

A young Data Scientist, who is passionate to learn new things and is ready to face new challenges in the journey of life. Looking forward to engaging with a group of like-minded people who dream to bring revolution in the world with data.

## EXPERIENCE

- **DATA ANALYST INTERN, MYGOV INDIA (JUNE-JULY, 2018)**
  - Sentiment analysis on different government policies and campaigns
  - Exported over 4000 tweets with Twitter API, data wrangling using Python, trained and classified each tweet as positive or negative with KNN algorithm

## PROJECT

- **IDENTIFY CUSTOMER SEGMENTS (NOV-DEC, 2018)**
  - Evaluated relationships between demographics features, organize the population into clusters, and see how prevalent customers are in each of the segments obtained.
  - Preprocessed the data, apply dimensionality reduction techniques, and implement clustering algorithms to segment customers with the goal of optimizing customer outreach for a mail order company.
  - Link: [https://github.com/rowhitswami/DSND\\_Identify\\_Customer\\_Segments](https://github.com/rowhitswami/DSND_Identify_Customer_Segments)
- **IMAGE CLASSIFIER | PYTORCH (SEPT-NOV, 2018)**
  - Built a command-line application to predict flower name from an image along with the probability of that name and trained dynamic neural networks in Python with GPU acceleration.
  - Used transfer learning on pre-trained architectures including vgg11, vgg13, vgg16, vgg19, densenet121, densenet169, densenet161, and densenet201 with accuracy of **85%**.
  - Link: <https://github.com/rowhitswami/Image-Classification-with-PyTorch>
- **FINDING DONORS (AUG-SEPT, 2018)**
  - Investigated factors affecting the likelihood of donations being made using real census data.
  - Developed naive classifier to compare testing results. Trained & tested several supervised machine learning models on preprocessed census data to predict donation likelihood. Selected best model based on accuracy, modified F-score metric, & algorithm efficiency.
  - Link: [https://github.com/rowhitswami/DSND/tree/master/Projects/finding\\_donors](https://github.com/rowhitswami/DSND/tree/master/Projects/finding_donors)