



# SHRESTHA MALIK

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## EDUCATION

<b>University of California, San Diego, USA</b>	2017
<i>Masters in Computer Science, GPA: 3.7/4</i>	
<b>Xaviers Institute of Management, India</b>	2012
<i>Post Graduate Diploma in Management (MBA), GPA: 5.86/8</i>	
<b>Nirma Institute of Technology, India</b>	2008
<i>Bachelors in Technology, Electronics and Communication, GPA: 8.67/ 10</i>	

## EXPERIENCE

<b>Data Science Intern , Source Intelligence</b>	Summer 2016
<ul style="list-style-type: none"><li>Designed a machine learning model to predict user login after invitation enabling a more targetted campaign</li><li>Carried out extensive data wrangling, cleaning and transformation for preparing data and extracting features using Pandas Dataframes</li><li>Used web scraping methods and Google GeoCodingAPI to get data from the internet</li><li>Prepared data visualizations using Bokeh and Seaborn</li></ul>	

## PROJECTS

<b>Facial Expression Recognition Using Convolutional Neural Network</b>	May 2016
<ul style="list-style-type: none"><li>Build a convolutional neural network that achieves a classification accuracy of 65% (human accuracy) on the Kaggle Facial Expression Recognition Dataset (FER-2013)</li></ul>	
<b>Yelp Rating Prediction from Review Text</b>	Nov 2015
<ul style="list-style-type: none"><li>Evaluated text mining techniques like Term frequency-Inverse Document Frequency, Latent Dirichlet Allocation and n-gram frequency to predict rating of a restaurant</li><li>Analyzed geographical and temporal trends in review text and designed a recommender system by grouping users with similar tastes based on their review text</li></ul>	
<b>Amazon Books Dataset</b>	Oct 2015
<ul style="list-style-type: none"><li>Mined Amazon Books' data to extract features and predict the helpfulness of reviews</li><li>Trained a latent-factor model to predict rating of a book by an user on Amazon using collaborative filtering</li></ul>	
<b>Weather App</b>	Aug 2016
<ul style="list-style-type: none"><li>Developed a web app to find the location of the user and then display the current weather conditions</li></ul>	

## SKILLS

★★★★★			
Java	Python	SQL	Matlab
HTML	CSS		
javascript		Angular JS	★★★
jquery	Pyspark	Keras	
C	C++		

## COURSES

Design and analysis of Algorithms  
Probabilistic Reasoning and Artificial Intelligence  
Machine Learning  
Image Recognition using Neural Networks  
Data Science and Predictive Analytics  
Big Data Analysis using Spark  
Distributed Systems  
Operating Systems  
Advanced Algorithms  
Computer Vision

## OTHER EXPERIENCE

<b>Business Partner - HR Religare Finvest Limited</b>
May 2012 -Dec 2013
<ul style="list-style-type: none"><li>Analyzed pan-India data on attrition, employee performance, market mapping, employee benefits, and recruitment to design workplace policies</li><li>Managed end-to-end Human Resources function for the south India division of more than 200 employees</li></ul>