



SHRESTHA MALIK

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3899 Nobel Drive 1220 , San Diego , CA. 92122

EDUCATION

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

EXPERIENCE

Data Science Intern , Source Intelligence Summer 2016

- Designed a machine learning model to predict user login after invitation enabling a more targetted campaign
- Carried out extensive data wrangling, cleaning and transformation for preparing data and extracting features using Pandas Dataframes
- Used web scraping methods and Google GeoCodingAPI to get data from the internet
- Prepared data visualizations using Bokeh and Seaborn

PROJECTS

Facial Expression Recognition Using Convolutional Neural Network May 2016

- Build a convolutional neural network that achieves a classification accuracy of 65% (human accuracy) on the Kaggle Facial Expression Recognition Dataset (FER-2013)

Yelp Rating Prediction from Review Text Nov 2015

- Evaluated text mining techniques like Term frequency-Inverse Document Frequency, Latent Dirichlet Allocation and n-gram frequency to predict rating of a restaurant
- Analyzed geographical and temporal trends in review text and designed a recommender system by grouping users with similar tastes based on their review text

Amazon Books Dataset Oct 2015

- Mined Amazon Books' data to extract features and predict the helpfulness of reviews
- Trained a latent-factor model to predict rating of a book by an user on Amazon using collaborative filtering

Weather App Aug 2016

- Developed a web app to find the location of the user and then display the current weather conditions

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

**Business Partner - HR
Religare Finvest Limited**

May 2012 -Dec 2013

- Analyzed pan-India data on attrition, employee performance, market mapping, employee benefits, and recruitment to design workplace policies
- Managed end-to-end Human Resources function for the south India division of more than 200 employees