

SHRESTHA MALIK

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EDUCATION

University of California, San Diego, USA

Expected December 2016

Masters in Computer Science, GPA: 3.71/4

Xavier Institute of Management, Bhubaneswar, India

March 2012

Post Graduate Diploma in Business Management (MBA), GPA: 5.86/8

Nirma Institute of Technology, Ahmedabad, India

May 2008

Bachelor of Technology, Electronics and Communication, GPA: 8.67/10

EXPERIENCE

Source Intelligence

July 2016 -September 2016

Data Science, Intern

San Diego, CA

- Designed a machine learning model to predict user-interest from invite data, to enable a more targeted workflow
- Carried out extensive data wrangling, cleaning and transformation of data, for feature extraction
- Explored unconventional data relationships like human interaction and temporal factors
- Came up with creative ways of acquiring missing data through web scraping and public APIs
- Achieved a recall of 70% and provided actionable data insights for business

Religare Finvest Limited

May 2012 - December 2013

Manager-Human Resources

Bangalore, India

- Served as Business Partner-HR for the South India division comprising of 200+ employees
- Worked on performance management, workplace policy redesign and attrition management initiatives

PROJECTS

- **Facial Expression Recognition** *Python*

Built a convolutional neural network that achieves an accuracy of 65% on the Kaggle Dataset FER-2013, matching the human accuracy of $65 \pm 3\%$

- **Distributed File System** *Java*

Implemented the Remote Method Invocation library and developed a simple distributed filesystem using it

- **Web Applications** *Html, CSS, JavaScript, jQuery, AngularJS, Bootstrap*

Designed and built my web portfolio from scratch

Developed an app that finds user location and displays the weather at that location

- **Amazon Books Dataset** *Python*

Mined Amazon Books' data to extract features and predict the helpfulness of reviews

Applied collaborative filtering and latent-factor modeling to predict rating of a book by an user

- **Yelp Rating Prediction from Review Text** *Python*

Explored text mining techniques (bag of words, topic modeling) to predict rating of a restaurant

Analyzed geographical and temporal trends and clustered users with similar tastes to enable recommendation

TECHNICAL STRENGTHS

Skills Software Development, Machine Learning, Data Science, Object Oriented Design

Proficient: Java, Python, HTML, CSS, JavaScript, Bootstrap, SQL

Intermediate: C++, Matlab, AngularJS, jQuery, PySpark, MapReduce

Courses Algorithms, Probabilistic Reasoning, Machine Learning, Data mining, Big Data Analytics

Image Recognition using Neural Networks, Distributed Systems, Operating Systems