MILI SHAH

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EDUCATION

UNIVERSITY OF MASSACHUSETTS AMHERST
Master's in Computer Science, September 2017 – May 2019

NIRMA UNIVERSITY
Bachelor of Technology, Computer Engineering, August 2013 – May 2017

COURSEWORK

Machine Learning, Algorithms for Data Science, Natural Language Processing, Big Data Analysis, Advanced Data Structures, Database Management Systems, Operating Systems

EXPERIENCE

MORGAN STANLEY
Technology Analyst Intern, May 2016 – July 2016
• Project: Automate level-1 support for java developers of Morgan Stanley
• Constructed a system in Python to cluster queries to analyse topics and to match new query e-mails with previous discussions and wiki pages

PROJECTS

GOOGLE: LARGE-SCALE COMMONSENSE AS LEXICAL ENTAILMENT
January 2017 – *
• Current project as a Graduate Student Researcher for Google to construct a common-sense hypernym ontology from ConceptNet, Microsoft Concept Graph and crowdsourcing
• Perform KB completion by training multiple partial-order structure preserving embeddings

AUTOMATIC KNOWLEDGE BASE COMPLETION
September 2017 – December 2017
• Extending rowless universal schema LSTM model for AKBC using complex embeddings
• Achieved a mean reciprocal rank of 33 with implementation in Python using Tensorflow

CHARACTER IDENTIFICATION ON MULTI-PARTY DIALOGUES
September 2017 – December 2017
• SemEval 2017 task to train a supervised model for character identification
• Achieved a coreference resolution mean precision of 71% with agglomerative Convolutional Neural Nets implemented in Python using Tensorflow

STUDYING IMPACT OF INTERNATIONAL STOCK MARKETS ON INDIAN STOCK MARKETS
August 2016 – November 2016
• Built SVR predictive models for stock markets in Python achieving MAPE of 1.1
• Performed causality analysis between different stock markets using these models

CLASSIFICATION OF MALWARE FILES
July 2015 – November 2015
• Built a system in Python using NLTK, scikit-learn to classify malware files
• Achieved an accuracy of 91.5% with AdaBoost classifier

SHUTTERING PLATES MANAGEMENT SYSTEM
October 2014 – Dec 2014
• A desktop application developed for a client to manage his business
• Implementation with Java, Swing; database MySQL

TECHNICAL SKILLS

Proficient: Python, Java
Beginner: R, C, Tensorflow, Hadoop, MongoDB, HTML, CSS, SQL, JavaScript

ACTIVITIES

Coordinator in NuHope
Member of Computer Society of India
Photography, Reading, Travelling, Board Games