# MILI SHAH
248 Amherst Road, Apt. I-01
Sunderland, MA 01375
413-800-9382

E-mail: milishah224@gmail.com          LinkedIn: linkedin.com/in/milishah224/

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| **EDUCATION** | **UNIVERSITY OF MASSACHUSETTS AMHERST**<br>Master's in Computer Science, September 2017 – May 2019<br><br>**NIRMA UNIVERSITY**<br>Bachelor of Technology, Computer Engineering, August 2013 – May 2017 |
| **COURSEWORK** | Machine Learning, Algorithms for Data Science, Introduction to Natural Language Processing, Big Data Analysis, Design and Analysis of Algorithms, Advanced Data Structures |
| **EXPERIENCE** | **MORGAN STANLEY**<br>Technology Analyst Intern, May 2016 – July 2016<br>• Project: Automate level-1 support for java developers of Morgan Stanley<br>• Constructed a system in Python to cluster queries to analyse topics and match new e-mails with previous discussions and wiki pages |
| **PROJECTS** | **CURRENT PROJECTS**<br>• Improving Rowless Universal Schema model of Knowledge Bases with complex and order embeddings for column embeddings<br>• Character identification on multi-party dialogues(SemEval Task 4)<br><br>**KNOWLEDGE BASES**<br>February 2017 – April 2017<br>• Analysed general knowledge bases<br>• Constructed an automatically generated Knowledge Base mined from Common Crawl with seeds from DBPedia using Python with spaCy and RDFLib<br><br>**STUDYING IMPACT OF INTERNATIONAL STOCK MARKETS ON INDIAN STOCK MARKETS**<br>August 2016 – November 2016<br>• Built SVR predictive models for stock markets in Python achieving MAPE of 1.1%<br>• Performed causality analysis between different stock markets using these models<br><br>**CUISINE CLASSIFICATION**<br>February 2016 – April 2016<br>• Achieved an accuracy of 78.3% in classifying cuisines in 12 classes based on ingredients<br>• Designed two-level supervised learning models in Python<br><br>**CLASSIFICATION OF MALWARE FILES**<br>July 2015 – November 2015<br>• Built a system in Python using NLTK, scikit-learn to classify malware files<br>• Achieved an accuracy of 91.5% with AdaBoost<br><br>**SHUTTERING PLATES MANAGEMENT SYSTEM**<br>October 2014 – Dec 2014<br>• A desktop application developed for a client to manage his business<br>• Implementation with Java, Swing; database MySQL |
| **TECHNICAL SKILLS** | Proficient: Python, Java,<br>Beginner: R, C, SQL, MongoDB, HTML, CSS, JavaScript |
| **ACTIVITIES** | Coordinator in NuHope<br>Member of Computer Society of India<br>Photography, Reading, Travelling, Board Games |