

ELLISA KHOJA

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EDUCATION

- **University at Albany, SUNY** Albany, NY
Master of Science in Computer Science; GPA: 3.8 Aug 2017 - Dec 2018
- **Kalol Institute of Technology and Research Center** Gujarat, India
Bachelor of Engineering in Computer Engineering; GPA: 3.4 Aug. 2010 - July. 2014

EXPERIENCE

- **Edwards Lifesciences - Data Science Intern** Irvine, CA
May 2018 - Present
 - **Critical Care - Algorithms:** Collaborating the hospital data from varied sources and imported the data into Postgresql using Python. Integrated Apache Cassandra with timeseries waveforms data and collaborated with Data Science Engineers to perform data analysis / visualization of Patient data to do data pre-processing data and predict Patient's condition. Worked on AWS to manage Server and include the code. Used NLP techniques and LDA using gensim to do Topic Modeling and text summarization of Observation data.
- **University at Albany - Research Assistant** Albany, NY
Sept 2017 - May 2018
 - **DSARMD:** Enhanced performance of DSARMD project of IARPA to calculate social linguistic scores for the chat box / chatbot data conversations using Java, Scala. NLP libraries , Stanford Tagger, and Weka Library for Machine Learning.
 - **SimOn:** Implemented Social Simulation project to generate Events for Github using the past 2 years of Github data using Machine Learning Clustering Algorithms of K-means, Gaussian Model and Markov Model
- **CIGNEX Datamatics - Software Engineer** Ahmedabad, India
July 2014 - July 2017
 - **Hotel Operations Management:** Upgraded existing Application from Java 1.6 to 1.8 and upgraded Hibernate and Jboss versions. Re-coded ORM layer and performed database cleaning. Created new batch jobs and cron jobs to handle timely Report generation in Excel and PDF using Jasper Reports. Deployed application on Production and provided support. Tools used Hibernate, Spring, Java, Angular 1.x, Rest API
 - **Franchise Management Platform:** Developed application in Liferay and Java to manage Franchise operations, share content, messaging, Revenue Reports and Inspection Modules using Java, Liferay 6.x, MySQL, Rest API

PROGRAMMING SKILLS

- **Languages:** Machine Learning , Natural Language Processing, Python, Scala , Java, Hibernate, Web Services, Rest Api, Javascript, AWS, Angular JS
- **Technologies:** SkLearn, NLTK, LDA, Pycharm, Eclipse, Netbeans, SVN, Git, IntelliJ
- **Databases:** Apache Cassandra, MongoDB, MySQL, Postgresql, Oracle

PERSONAL & ACADEMIC PROJECTS

- **Housing Prediction using Regression:** Predicted housing price of Kaggle data set, using regression techniques, preprocessed and performed data analysis and feature selection. ML : Logistic Regression.
- **Movie Recommendation System:** Implemented Movie Recommendation system to suggest movie based on past movies and user profile using Association Rule Mining and Logistic Regression.
- **Query Expansion Using Wordnet:** Query Expansion using Wordnet to add synonyms for each token in query to improve the precision and recall using lucene search engine in Information Retrieval. Languages: Python, Lucene
- **Simple DB - Java Application:** Created Simple-db java application to store , read, iterate and update the tuples. Language: Java