**Praneeth Gubbala**

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**EDUCATION**

**Stony Brook University Stony Brook, New York** Master of Science in Computer Science Expected May 2018

Graduate Coursework: Machine Learning; Natural Language Processing; Data Science; Artificial Intelligence; Network Security;

**Osmania University Hyderabad, India**

Bachelor of Engineering in Computer Science May 2014

**EMPLOYMENT**

**Senior Software Engineer** **Samsung R&D Institute, Bangalore Feb 2016-Dec 2016**

Intelligent Services

* Implemented LSTM based classifier for Call, SMS, Contacts domains in Bixby personal assistant.
* Developed Number and Phone number criteria handlers in NLU Core. PCRE.
* Implemented context switching in S-Voice by using Stanford deterministic co-reference system to recognize pronouns from follow-up utterance reference to root utterance uttered by user to S Voice.

**Software Engineer** **Samsung R&D Institute, Bangalore** **May 2014-Jan 2016**

S Voice NLU Research

* Reduced time to render the intent of utterance by 75% by implementing a logistic regression model to predict top 3 domains out of 20 in S Voice using linear classifier probabilities and semantic pattern scores as feature vectors.
* Implemented S Voice integration with S Health by creating a service to provide voice interface for S Health users to communicate S- Health App functions using S Voice.
* Contributed to Phonetic matching feature addition in S Voice en-US. Metaphone-3.
* Implemented SVM classifier to identify a text belongs to categories: Call, SMS, Contacts, Memo etc.
* Responsible for Call, SMS domains development in Commercialized S Voice of Galaxy S6, S7 mobiles.

**Graduate Research Assistant** **NLP Lab, Stony Brook University Jan 2017-Present**

* **Project PrIA** **(Privacy Focused Intelligent Assistance):** Developing a privacy intelligent system that predicts user personality using his/her privacy data. Political lineage of user is predicted by using Stanford sentiment analysis and Fine-grained Entity Recognition.
* **Sentiment of Entity**: Entity based sentiment analysis on news articles from user web history. Fine grained Entity Recognition, Metamap, SentiWordNet, Python.

**PROJECTS**

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**Natural Language Processing:** Developed a personalized news recommender system that collects user’s

personal data, builds a profile graph, and recommends news articles based on the profile, all locally on the user’s personal device. Stanford NER, Latent Dirichlet allocation, Python.

**Machine Learning:** Predicted a match between two online dating profiles of people at eHarmony, Inc with AUC score 66. Exponential Linear Regression, Matlab.

**Data Science:** Predicted the severity of UK accidents using Machine Learning Techniques with 84% accuracy. Python, Linear Regression.

**LANGUAGES AND TECHNOLOGIES**

* C++; Python; C; Java; C#.NET; SQL; Shell Scripting; Matlab;
* Word2Vec; NLTK; Pandas; Numpy; TensorFlow; Pandas;

**HONORS**

* Employee of the Month–January 2015 and Spot Award– December 2016inSamsung R & DInstitute India.
* Recipient of a National Merit Scholarship by Government of India to purse Undergraduate Program (2010-2014).