**PRANEETH GUBBALA**

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**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.

**EDUCATION**

**Stony Brook, New York Stony Brook University Jan 2017 – Present**

* Master of Science in Computer Science
* Graduate Coursework: Machine Learning; Natural Language Processing; Data Science; Artificial Intelligence; Network Security;

**Hyderabad, India Osmania University Oct 2010 – May 2014**

Bachelor of Engineering in Computer Science

**PROJECTS**

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* **Natural Language Processing:** Entity based sentiment analysis on news articles from user web history. Fine grained Entity Recognition, Metamap, SentiWordNet, Python. (Spring 2017)
* **Machine Learning:** Predicted a match between two online dating profiles of people at eHarmony, Inc with AUC score 66. Exponential Linear Regression, Matlab. (Spring 2017)
* **Data Science:** Predicted the severity of UK accidents using Machine Learning Techniques with 84% accuracy. Python, Linear Regression. (Spring 2017)

**LANGUAGES AND TECHNOLOGIES**

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