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

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 2016 in Samsung R & D Institute India.
- Recipient of a National Merit Scholarship by Government of India to purse Undergraduate Program (2010-2014).