

## PRANEETH GUBBALA

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### EDUCATION

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<b>Stony Brook, New York</b> Computer Science MS	<b>STONY BROOK UNIVERSITY</b>	<b>Jan 2017 – Present</b> GPA: --
<b>Hyderabad, India</b> B.Tech. in Computer Science Engineering-(rank 10/144)	<b>Osmania University</b>	<b>Oct 2010 – May 2014</b> Percentage: 81%
<b>Vijayawada, India</b> Class XII- Maths: 298/300, Physics: 114/120, Chemistry: 117/120	<b>Narayana Junior College</b>	<b>May 2008 – May 2010</b> Percentage: 95.3 %

### WORK EXPERIENCE

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<b>Senior Software Engineer</b> Intelligent Services	<b>Samsung R&amp;D Institute</b>	<b>Feb 2016-Dec 2016</b>
<ul style="list-style-type: none"><li>• Implemented DNN classification along with Number, Phone number criteria handlers in NLU Core.</li><li>• Implemented Catchall criteria with minimum rules using word embeddings.Word2vec.</li><li>• Implemented Context Switching in S Voice by using Stanford deterministic co-reference system to recognize pronouns from follow-up utterance with reference to root utterance uttered by user to S Voice. This was Awarded Third Prize in NLU Projects by Samsung Head Quarters Seoul.</li></ul>		
<b>Software Engineer</b> S Voice NLU Research	<b>Samsung R&amp;D Institute</b>	<b>May 2014-Jan 2016</b>
<ul style="list-style-type: none"><li>• Reduced time to render the intent of utterance by 75% by implementing a logistic model to predict TOP 3 domains using SNLU + RNLU Feature Vectors out of 20 in S Voice.</li><li>• 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.</li><li>• Developed a SLT automation tool that will ease up computational linguists tuning activities in Intent Evaluation in S Voice NLU using distributed Environment. Perl, UNIX shell scripts, HT Condor.</li><li>• Implemented Cache NLU in S Voice to decrease the NLU Intent time for response by 30%.</li><li>• Software Developer for en-US, en-GB, en-IN and es-US Localizations , QA and Bug fixer for other cultures. Major coding done in C++.</li><li>• Responsible for Call, SMS domains development in Commercialized S Voice of Galaxy S6, S7 mobiles.</li><li>• Implemented Trie for Web interface V 30(S-voice server apk) where App developers can make their applications voice enabled in 30 sec. Java, Couchbase.</li></ul>		

### ACADEMIC PROJECTS

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- **Prayoga.** Statistical NLU Engine which uses SVM classifier to identify a text belongs to categories: Alarm, Calendar, Memo etc. and question type to the category: Who, What, When, Affirmation etc. Java, SVM, Python.
- **Natural Language Dialog Management System.** Built a Chatbot for restaurant reservations, modules are Named Entity Recognition, QA for information retrieval and SQL database.
- **Personalized Image Recommendation.** Built a system for filtering tumblr Image Search results based on tag and vision feature vectors to provide more accurate results to user. Java, MYSQL. Scored 9/10 credits.

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#### RELAVANT COURSES

- Artificial Intelligence; Data Structures; Databases; Algorithms; Programming Languages; Operating Systems; Automata Theory; Software Engineering; Probability and Statistics;

#### Certifications

- Andrew Ng – Stanford University Machine Learning course in Coursera.
- Cisco CCNA (Cisco Certified Network Associate) Exploration Modules.
- MEC Course on Analysis and Design of Algorithms.

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#### TECHNICAL SKILLS

##### Languages and Technologies

- C++; C; Java; C#.NET; SQL; Perl; JavaScript; HTML; Python; UNIX shell scripts; MATLAB;
- Visual Studio; Eclipse;

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#### HONORS

- **Employee of the Month** – January 2015 in **Samsung R & D** Institute India.
- Won various programming contests in college level (Microsoft IDC Regional Hyderabad).
- Coordinator and Problem Setter for Online Programming Contest in ACUMEN'13, the annual Technical and Cultural festival of VCE, Hyderabad.
- Paper Presented on Artificial Intelligence in Osmania University.
- Recipient of a **Merit Scholarship** by Government of India to pursue Undergraduate Program (2010-2014).
- Scored 100% in Calculus-II and Calculus-III in Undergraduate examination.
- Amongst the top 0.81% in EAMCET 2010 and 3.44% in AIEEE 2010, each had over 3 Lac applicants.
- Secured Town **First Rank** in Class X.

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#### EXTRA CURRICULAR

- Organizer of Event CODE-HUNT in ACUMEN CSFEST'14, the annual Technical and Cultural festival of VCE, Hyderabad.
- Have been class representative in 1<sup>st</sup> year, B.Tech.
- A member of Vasavi CSE Cricket group.
- Interest in playing sports like cricket, chess and I represented my school and won various Inter - School tournaments in Chess.