Samridhi Shree Choudhary

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Education

Carnegie Mellon University   *Pittsburgh, USA*

MASTERS IN LANGUAGE TECHNOLOGIES   *August 2016 - August 2018*

- Advisor: Carolyn Penstein Rosè
- CGPA: 3.84/4
- Selected Coursework: Intro to Machine Learning, Algorithms for NLP, Machine Translation, Computational Discourse Analysis, Deep Learning (ongoing), ML for Large Datasets (ongoing)

Vellore Institute of Technology   *Vellore, India*

BACHELOR OF TECHNOLOGY   *May 2008 - June 2012*

- Major: Computer Science and Engineering
- CGPA: 9.4/10

Professional Experience

Microsoft   *Hyderabad, India*

SOFTWARE ENGINEER (CLOUD DATA AND APPLICATION PROTECTION)   *June 2012 - March 2016*

- Involved in the design, implementation and testing of major replication features of standalone and clustered virtual machines for enterprise servers.
- Designed and implemented automated Functional and UI Component Test Library, used by entire team.
- Designed and ran performance tests and authored server reports published to the customers.
- Mentored interns and new-recruits for independently owned modules.

Microsoft   *Hyderabad, India*

SOFTWARE ENGINEERING INTERN (WINDOWS SERVICEABILITY)   *May 2011 - July 2011*

- Built an automated fuzzing system that was used to fuzz the DNS Cache Interfaces of Windows Server and Client OS.

Research Experience

Language Technologies Institute (CMU)   *Pittsburgh, USA*

RESEARCH ASSISTANT (ADVISOR: CAROLYN PENSTEIN ROSÈ)   *August 2016 - PRESENT*

- Understanding the impact of coordination and developer conversation patterns on project success in open-source communities on platforms like GitHub.

Alexa Prize Challenge 2017 (Team - CMUMagnus)   *Pittsburgh, USA*

OFFICIAL MEMBER (ADVISOR: ALAN BLACK AND CAROLYN PENSTEIN ROSÈ)   *November 2016 - August2017*

- Designed and implemented retrieval-based models for opnion-mining and finite-state models for dialog strategies for a multi-turn conversational agent.

Technical Skills

Programming Languages ： C/C++(Intermediate), Python(Intermediate), C#(Intermediate),
Java(Beginner), Matlab/Octave(Beginner), R(Beginner)

Deep Learning Libraries ： PyTorch(Beginner), DyNet(Beginner)

Database and Indexing Technologies ： MongoDB(Intermediate), Lucene(Beginner)

Operating Systems ： OSX, Windows, Linux

Publications

Conference Paper ： Samridhi Choudhary, Christopher Bogart, Aaksha Meghawat, Carolyn Rosè, James D. Herbsleb. *Not Just Who But How: Reconsidering Coordination in Open-Source GitHub Projects*. Under Review at the International Conference of Software Engineering (ICSE 2018) *Under Review*

Workshop Paper ： Samridhi Choudhary, Shrimai Prabhumoye, Evangelia Spiliopoulou, Christopher Bogart, Carolyn Rose, Alan Black. *Linguistic Markers of Influence in Informal Interactions*. Second Workshop on NLP and Computational Social Science, ACL 2017 *Vancouver, Canada*

Workshop Paper ： Elizabeth K. Bowman, Matt Turek, Paul Tunison, Reid Porter, Steve Thomas, Vadas Gintautas, Peter Shargo, Jessica Lin, Qingzhe Li, Yifeng Gao, Xiaosheng Li, Ranjeev Mittu , Carolyn Penstein Rosé , Keith Maki, Chris Bogart, Samridhi Shree Choudhary. *Advanced text and video analytics for proactive decision making*. SPIE Defense+ Security. International Society for Optics and Photonics, 2017 *California, USA*

Projects

OpinionBot: An Intelligent Conversational Agent for Opinion Mining *LTI, CMU*
Advisor: Alan Black and Alexander I. Rudnicky *January 2017 - May 2017*

- Implemented and deployed an Alexa Skill to fetch diverse and succinct opinions on different topics from the Washington Post Corpus.

Understanding Structure in Open-Domain Dialog *LTI, CMU*
Advisor: Graham Neubig and Alan Black *January 2017 - May 2017*

- Implemented a sequence-to-sequence model with attention to understand the inherent structure of dialog responses for the Ubuntu Dialog Corpus.

GroupBanker - Android Application to Manage Group Expenses *VIT, Vellore*
Advisor: Vijaykumar K. *November 2011 - July 2012*

- Implemented an android application to manage group expenses among a peer group.

Online Event Registration portal *VIT, Vellore*
College Tech Fest *August 2009*

- Developed a web portal for event registration for the university's technical and cultural fest.

Honors & Awards

2016-2018 *Carnegie Mellon University, USA*

- **Graduate Research Fellowship** - Covers tution, fees, conference travel and monthly stipend for the entire course duration.
- **AlexaPrize 2017 Research Stipend** - One of the 12 teams worldwide to be awarded a stipend of $100,000 to compete in Amazon AlexaPrize.
- **Poster Presentation** - Presented our paper at the NLP+CSS workshop in ACL 2017 at Vancouver.

2008-2012 *VIT, India*

- **Outgoing Awards and Gold Medal** - Awarded the *University Gold Medal*, *Best Outgoing Student* and *Ishan Goel Endowment Award* for excellent performance in Computer Science for my undergraduate course.
- **Annual University Scholarship** - Awarded every year through the 4-year course for securing Rank 1 in the Computer Science department.
- **Technical POI** - Lead the technical team for the university's cultural and technical fests.

2005-2008 *Ranchi, India*

- Secured *"**State Rank 2**"* for *Secondary* (**95.5%**) and *Senior-Secondary* (**94.2%**) Board Examinations and was conferred the ***CBSE Scholarship*** for securing the highest marks in Computer Science.
- Selected among the **top 50 science students** in the Kharagpur zone to attend a conference at NML (National Metallurgical Laboratory), Jamshedpur.