Samridhi Shree Choudhary

□+1 412-983-2502 | Schoudh@cs.cmu.edu | 🛪 www.samridhishree.com | 🖫 samridhishree

▼ samridhishree

Education _

Carnegie Mellon University

Pittsburgh, USA

MASTERS IN LANGUAGE TECHNOLOGIES

August 2016 - August 2018

- · Advisor: Carolyn Penstein Rosé
- CGPA: 3.84/4
- · Selected Coursework: Intro to Machine Learning, Algorithms for Natural Language Processing, Machine Translation, Computational Discourse Analysis, Deep Learning (ongoing), Machine Learning 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

Research Experience _____

Language Technologies Institute (CMU)

Pittsburgh, USA

RESEARCH ASSISTANT (ADVISOR: CAROLYN PENSTEIN ROSÉ)

August 2016 - PRESENT

- · Currently working on understanding the impact of coordination and developer conversation behaviors on project success in open-source communities on platforms like GitHub.
- · Cleaned and visualized huge amount of GitHub data.
- · Implemented and executed unsupervised Markov Models over project parameters to identify project activity phases over project
- Designed and implemented a novel way to quantify developer coordination in GitHub projects (work currently under review).

Alexa Prize Challenge 2017 (Team - CMUMagnus)

Pittsburgh, USA

OFFICIAL MEMBER (ADVISOR: ALAN BLACK AND CAROLYN PENSTEIN ROSÉ)

November 2016 - August 2017

· Designed and implemented retrieval-based models for opinion-mining and finite-state models for dialog strategies for a multiturn conversational agent.

Professional Experience _____

Microsoft Hyderabad, India

SOFTWARE ENGINEER (CLOUD DATA AND APPLICATION PROTECTION)

June 2012 - March 2016

- · Worked on 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.
- 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.

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)

SAMRIDHI S. CHOUDHARY · RÉSUMÉ

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

Under Review

Projects. Under Review at the International Conference of Software Engineering, ICSE 2018

Conference Paper: Shrimai Prabhumoye, Fadi Botros, Khyathi Chandu, Samridhi Choudhary,

Esha Keni, Chaitanya Malaviya, Thomas Manzini, Rama Pasumarthi, Shivani Poddar, Abhilasha

 $Ravich and er, Zhou\ Yu, Alan\ Black.\ \textit{Building}\ \textit{CMU}\ \textit{Magnus}\ \textit{from}\ \textit{User}\ \textit{Feedback}.\ In\ Proceedings\ AWS$

re:INVENT, 2017

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

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

To Appear in AWS re:INVENT 2017

Vancouver, Canada

California, USA

Projects ____

OpinionBot: An Intelligent Conversational Agent for Opinion Mining

LTI, CMU

ADVISOR: ALAN BLACK AND ALEXANDER I. RUDNICKY

January 2017 - May 2017

- · Scraped, cleaned and annotated the Washington Post Corpus with sentiment for opinion formulation.
- Implemented a retrieval model with MMR Reranking to fetch diverse opinions for a given query that were summarized into a coherent answer using Extractive Summarization with TextRank.
- Deployed the system as an Alexa Skill.

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.
- Defined the structure of a response by converting the dialogs into templates using their parse trees annotations that were learned using the encoder-decoder model.

Linguistic Markers of Influence in Informal Interactions

LTI, CMU

ADVISOR: CAROLYN PENSTEIN ROSÉ AND ALAN BLACK

January 2017 - May 2017

- Scraped and studied user posts from a social media platform to understand the effect of language on the influence of the post.
- Operationalized influence and annotated the posts accordingly, engineered indicative linguistic features for the content of the posts and ran regression models to study the improvement in classification of influential and non-influential posts.
- Work published in ACL workshop, NLP+CSS: Workshops on Natural Language Processing and Computational Social Science.

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 Our team was one of the 12 teams worldwide to be awarded a stipend of \$100,000 to compete in Amazon AlexaPrize.

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 university scholarship for securing Rank 1 in the Computer Science department each year through the 4-year course.