

# CURRICULUM VITAE

## Mithun ‘Mitch’ Paul

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### Education

- 2015 – Present    Ph.D. Computer Science, UNIVERSITY OF ARIZONA  
Thesis: Knowledge Distillation As A Solution For Domain Transfer.  
Adviser: Mihai Surdeanu
- 2014                M.S. Computer Science, UNIVERSITY OF ARIZONA, TUCSON, USA
- 2005                M.S. Physics, BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE (BITS),  
PILANI, INDIA
- 2005                B.S. Chemical Engineering, BIRLA INSTITUTE OF TECHNOLOGY AND SCI-  
ENCE (BITS), PILANI, INDIA

### Professional Experience

- 2014 – 2015    Software Engineer  
INTEL CORPORATION
- 2013 – 2013    Summer Intern  
THE GOLDMAN SACHS GROUP, INC.
- 2011 – 2012    Technology Lead (Research)  
INFOSYS LABS, INDIA
- 2008 – 2011    Technology Associate (Research)  
INFOSYS LABS, INDIA
- 2005 – 2008    Software Engineer  
INFOSYS LTD, INDIA

### Patents

1. Ashutosh Saxena, Vishal Krishna Saxena, Kaushal Saxena, Kumar Surni, Mithun Paul. “Method and System for Providing Masking Services”. US patent No. US8881224B2.
2. Ashutosh Saxena, Mithun Paul. “System and method for deletion of data in a remote computing platform”. US patent No. US8504532B2.
3. Sravan R, Mithun Paul, Ashutosh Saxena. “Methods for dynamic destruction of data in a remote data storage platform and devices thereof”. US patent No. US9740726B2.
4. Mithun Paul, Sandeep Sunawal, Rebecca Sharp, Mihai Surdeanu. “System and method for cross domain fact verification”. (in progress).

### Peer-Reviewed Publications

(\* denotes equal contributions from the authors)

1. Mithun Paul Panenghat, Sandeep Sunawal and Mihai Surdeanu. “Students Who Study Together Learn Better: On the Importance of Collective Knowledge Distillation for Domain Transfer in Fact Verification”. In review at *The Joint Conference of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing (ACL-IJCNLP 2021)*, 2021.
2. Mithun Paul Panenghat, Sandeep Sunawal and Mihai Surdeanu. “Data and Model Distillation as a Solution for Domain-transferable Fact Verification”. Accepted to *The Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)*, 2021.

3. Mithun Paul Panenghat, Sandeep Suntwal, Faiz Rafique, Rebecca Sharp, and Mihai Surdeanu. "Towards the Necessity for Debiasing Natural Language Inference Datasets". in the *Proceedings of Language Resources and Evaluation Conference (LREC)*, 2020.
4. Sandeep Suntwal\*, Mithun Paul\*, Rebecca Sharp, and Mihai Surdeanu. "On the Importance of Delexicalization for Fact Verification". In *the Proceedings of the Empirical Methods in Natural Language Processing (EMNLP)*, 2019.
5. Rebecca Sharp et al, "Eidos & Delphi: From Free Text to Executable Causal Models". In *the Proceedings Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL-HLT)*, 2019.
3. Sandeep Suntwal\*, Mithun Paul\*, Rebecca Sharp, and Mihai Surdeanu. "On the Importance of Delexicalization for Fact Verification". In *Proceedings of the BlackboxNLP Workshop*, 2019.
4. Mithun Paul, Rebecca Sharp and Mihai Surdeanu,. "A mostly unlexicalized model for recognizing textual entailment". In *Proceedings of the Fact Verification workshop*, 2018.
5. Rebecca Sharp, Mithun Paul, Ajay Nagesh, Dane Bell, and Mihai Surdeanu. "Grounding Gradable Adjectives through Crowdsourcing". In *Proceedings of the eleventh edition of the Language Resources and Evaluation Conference (LREC)*, 2018.
6. Mithun Paul, Derek Bambauer and Christian Collberg. "A Possible Solution For Privacy Preserving Cloud Data Storage". In *Proceedings of IEEE International Conference on Cloud Computing*, 2015.
7. Mithun Paul, Nitin Singh Chauhan and Ashutosh Saxena. "A Security Analysis of Smartphone Data Flow and feasible solutions for lawful interception". In *Proceedings for the IEEE 7th International Conference on Information Assurance and Security*, 2011.
8. Mithun Paul, M. Choudary Gorantla and Ashutosh Saxena. "Group Key Exchange with Non Linear Trust". In *Proceedings for The IEEE Fifth International Conference on Internet Multimedia Systems Architecture and Applications*, 2011.
9. Mithun Paul and Ashutosh Saxena. "Data Shredding Service For Cloud", In *Proceedings of the 2nd International Conference on Services in Emerging Markets*. 2011.
10. Mithun Paul and Ashutosh Saxena. "Proof Of Erasability For Ensuring Comprehensive Data Deletion In Cloud Computing". In *Proceedings of the Third International Conference, Communications in Computer and Information Science*, 2010.
11. Mithun Paul and Ashutosh Saxena. "Zero Data Remnance Proof in cloud Storage". In *International Journal of Network Security & Its Applications (IJNSA)*, Vol.2, No.4, 2010.

### Honors, Awards, and Memberships

- Finalist, three minute thesis competition, University of Arizona, March 2018
- Member of the team that ranked 4th at the Fake News Challenge shared task, 2017
- Member of the honor society Phi Kappa Phi, 2012 – 2014
- Best research paper award, International Conference on Services in Emerging Markets, 2011
- Most valuable player, Infosys Ltd., 2008
- Member of the team that ranked 2nd at a national trivia challenge and invited for a dinner with the President of India, 2005
- Junior Research Fellow, Indian Institute of Science, Bangalore (2001 – 2003)

### Conference Reviews

- Fact Extraction and Verification (FEVER) workshop, Empirical Methods in Natural Language Processing (EMNLP), 2018
- Fact Extraction and Verification (FEVER) workshop, Empirical Methods in Natural Language Processing (EMNLP), 2019
- Language Resources and Evaluation Conference (LREC), 2020

## Invited Talks

- School of Information colloquia, University of Arizona, Nov 2019
- Department of Computer Science colloquia, University of Arizona, Sep 2019
- March for Science, AZ, Tucson , Arizona, Feb 2019
- Three minute thesis competition, University of Arizona, March 2018

## Technical Skills (Currently working with)

- Programming Languages: Python
- Scripting Languages: Shell
- Tools: PyTorch, Keras, Conda.
- IDEs: JuPyter, IntelliJIDEA, PyCharm

## Technical Skills (Past)

- Programming Languages: C, Java, C#, Scala.
- Scripting Languages: JavaScript, Perl.
- Tools: DyNet, SBT, PyCharm, Matlab, Docker, Singularity, Metasploit, Meterpreter, Mutillidae, Snort, Mimikatz, Nessus, Fierce, Cewl, Nmap, JohnTheRipper, PGP, Wireshark, Nginx, Google Web Toolkit, XML, AJAX, XSLT, SOAP, CSS, WPF, WCF, ASP.Net, GDB, FUSE, Visual Source Safe, TFS, SVN, JIRA, RedMine, Telerik, Red gate, LINQ, IIS, Latex, Apache, Visual Studio, Screen, TMux, Atom, Expect, Eclipse.
- Database: Oracle, MS SQL Server, PL SQL.

## References

- Dr. Mihai Surdeanu (msurdeanu@email.arizona.edu), Associate Professor, Department of Computer Science, University of Arizona.
- Dr. Rebecca Sharp (bsharp@email.arizona.edu), Assistant Professor, Department of Linguistics, University of Arizona.