

EXPERTISE	Privacy, Security, Cryptography, Cloud, Networks, Algorithms, Programming, Machine Learning	
EDUCATION	Doctor of Philosophy in Computer Science (CGPA: 3.94/4.0) New York University, Polytechnic School of Engineering, Brooklyn, New York	<i>Sept '09 – Oct'14</i>
	Bachelor of Technology in Information Communication Technology Dhirubhai Ambani Institute of ICT (DA-IICT), Gandhinagar, India (CGPA: 9.72/10.0, GOLD MEDALIST)	<i>Aug '05 – May '09</i>
EXPERIENCE	Research Scientist, Google Inc. I am part of the Infrastructure Privacy Research Group at Google.	<i>Nov'14 - Present</i>
	Research Assistant, NYU - Polytechnic Worked with my PhD advisors, <i>Prof.Keith Ross</i> and <i>Prof.Justin Cappos</i> , in the broad area of privacy and security. Worked on privacy projects related to online anonymity, content sensitivity and location privacy. Proposed and developed a Cloud security as a service system for personal end user devices. Previously evaluated decentralized web search and location privacy preserving mechanisms using machine learning techniques. Published multiple research papers based on the results.	<i>Sept '09 – Oct'14</i>
	Teaching Assistant, NYU Shanghai TA'ed for CSCI-101 Introduction to Computer Science course, an undergraduate level programming course taught by Prof.Keith Ross. Taught several lectures and assisted with grading of homeworks, projects, and exams.	<i>Spring 2014</i>
	Research Intern, Google Mentors: Aleksandra Korolova, Geetanjali Sampemane Worked in the Infrastructure Privacy Research group. Gathered and analyzed large-scale activity data using MapReduce, NLP, and machine learning. Contributed to a data-driven analysis of user privacy preferences and concerns based on their activity and made several surprising observations. Co-authored a research paper based on the results.	<i>Summer 2013</i>
	Teaching Assistant, NYU - Polytechnic TAed for CS6843, a Master's-level Computer Networking course, taught by Prof. Keith Ross. Taught several lectures and assisted with grading of homeworks, projects, and exams.	<i>Fall 2012</i>
	Research Intern, Alcatel Lucent Bell Labs Mentors: <i>Krishna Puttaswamy, Hao Fang and TV Lakshman</i> Investigated and identified security issues arising in the new paradigm of Software Defined Networks (SDNs) such as OpenFlow. Developed and implemented a methodology to mitigate the attacks, and tested its performance on real network traces.	<i>Summer 2012</i>
	Teaching Assistant, Dhirubhai Ambani Institute of ICT Helped freshmen with Data Structures and Programming Languages courses.	<i>Aug '08 – May '09</i>
	Research Intern, Microsoft Research India, Bangalore Mentors: <i>Joyojeet Pal(UC Berkeley), Udai Pawar Singh (Microsoft Research), Sukumar Anikar (Azim Premji Foundation)</i> Contributor to a joint project of UC Berkeley, Azim Premji Foundation, and Microsoft Research India . Performed experiments, wrote code, and tested in order to extend the MultiMouse Technology developed by Microsoft to handle Adobe Flash executables. Co-authored a research paper based on the conducted work.	<i>June '07 – July '07</i>
	Intern, National Innovation Foundation, India, Developed an online video management website for NIF	<i>May '07 – June '07</i>

PATENTS	1. "Providing a fast, remote security service using hashlists of approved web objects", Patent Pending.
CITATIONS	Can be obtained from : http://scholar.google.com/citations?user=9i6ESAEAAA&hl=en
PUBLICATIONS	<ol style="list-style-type: none"> 1. Sai Teja Peddinti, Allen Collins, Aaron Sedley, Nina Taft, Anna Turner, Allison Woodruff, "Perceived Frequency of Advertising Practices", Appeared in USENIX SOUPS Workshop on Privacy Personas and Segmentation (PPS), 2015. 2. Sai Teja Peddinti, Aleksandra Korolova, Elie Bursztein, Geetanjali Sampemane, "Understanding Sensitivity Through Analyzing Anonymity", Appeared in IEEE Security & Privacy Magazine 2015. 3. Yuan Ding, Sai Teja Peddinti and Keith W. Ross, "Stalking Beijing from Timbuktu: A Generic Measurement Approach for Exploiting Location-Based Social Discovery", Appeared in ACM CCS Workshop on Security and Privacy in Smartphones and Mobile Devices (SPSM) 2014. 4. Sai Teja Peddinti, Keith W. Ross and Justin Cappos, "On the Internet, nobody knows you're a dog": A Twitter Case Study of Anonymity in Social Networks", Appeared in Conference on Online Social Networks (COSN) 2014. 5. Sai Teja Peddinti, Aleksandra Korolova, Elie Bursztein, Geetanjali Sampemane, "Cloak and Swagger: Understanding Data Sensitivity Through the Lens of User Anonymity", Appeared in IEEE Security & Privacy (S&P) 2014. 6. Sai Teja Peddinti and Nitesh Saxena, "Web Search Query Privacy: Evaluating Query Obfuscation and Anonymizing Networks", Journal of Computer Security (JCS), 2014 7. Sai Teja Peddinti, Avis Dsouza and Nitesh Saxena, "Cover Locations: Availing Location-Based Services Without Revealing the Location", Appeared in Workshop on Privacy in the Electronic Society (WPES) 2011, co-located with CCS 2011. 8. Sai Teja Peddinti and Nitesh Saxena, "On the Limitations of Query Obfuscation Techniques for Location Privacy", Appeared in Ubiquitous Computing (UBICOMP) 2011. 9. Sai Teja Peddinti and Nitesh Saxena, "On the effectiveness of Anonymizing Networks for Web Search Privacy", Appeared in ACM Symposium on Information, Computer and Communications Security (ASIACCS) 2011. 10. Sai Teja Peddinti and Nitesh Saxena, "On the Privacy of Web Search Based on Query Obfuscation: A Case Study of TrackMeNot", Appeared in Privacy Enhancing Technologies Symposium (PETS) 2010. 11. Joyojeet Pal, Udai Pawar, Apurva Joshi, Mohit Jain, Sai Gopal Thota, Sai Teja P, Sukumar Anikar "From Pilot to Practice: Creating Multiple-Input Multimedia Content for Real-World Deployment", Appeared in Intelligent User Interface (IUI) 2008.
Ph.D. THESIS	<p>Evaluating Privacy, Anonymity, and Sensitivity by Analyzing Crowds</p> <p>Online surveys and personal interviews are the predominant methods in practice to study or evaluate privacy features. However, they are time-consuming, expensive, and do not scale well. This dissertation focuses on large scale data-driven analysis, and tries to highlight its importance in privacy research. By analyzing privacy features embedded in three different online applications, this dissertation emphasizes four different advantages of performing data-driven analysis of in-product privacy feature usage.</p>
UNDER GRADUATE THESIS	<p>Autonomic Framework for Security Protocol Generation <i>Aug '08 – May '09</i></p> <p>Worked on the flaws in the autonomic framework for security protocol generation and suggested methods to improve the architecture, making the protocol generation scheme more robust and self healing.</p>
SKILLS	<p>Languages: JAVA, C, C++, Python, LATEX</p> <p>Web Technologies: HTML, JavaScript</p> <p>Database Systems: MySQL, MongoDB</p> <p>Tools: Wireshark, WEKA, Microsoft Visual Studio, Microsoft Visio, Eclipse IDE</p> <p>Platforms: Microsoft Windows and Ubuntu Linux</p> <p>Others: Glut OpenGL utility for C</p>
PROGRAM COMMITTEE	ACM Workshop on Artificial Intelligence and Security (AISec), 2015

JOURNAL REVIEWER	Information Retrieval, Elsevier Computers & Security, COMNET Journal, Transactions on Information Forensics & Security
EXTERNAL REVIEWER	ICCD 2015, ICISS 2014, INFOCOM 2013, ACSAC 2012, WISEC 2012, NDSS 2012, NDSS 2011, ACNS 2011, WISEC 2011, CANS 2010, ICISS 2010, NDSS 2010, NSS 2010, ISC 2010, Globecom 2010
TALKS & PRESENTATIONS	Privacy Enhancing Technology Symposium (PETS) 2010, ACM Symposium on Information, Computer and Communications Security (ASIACCS) 2011, 7 th Annual Pitney Bowes Security Conference 2011, Kaspersky's 'CyberSecurity for the Next Generation' student conference in the North American Round 2013, IEEE Symposium on Security & Privacy (S&P) 2014
AWARDS & HONORS	<ol style="list-style-type: none">1. Finalist in the Kaspersky's 'CyberSecurity for the Next Generation' student conference in the North American Round 2013.2. Deborah Rosenthal, MD Award for outstanding performance in the PhD qualifying exam.3. President's Gold Medal for Academic Excellence while pursuing BTech, DA-IICT class of 2009.4. Top 20 team in the ACM ICPC Asia Region Kanpur Site Contest-2008. The qualification round had teams from all over India and also other southern parts of Asia.
RELEVANT COURSEWORK	Network Security, Computer Networks, Penetration Testing, Application Security, Information Security and Privacy, Security Protocols, Introduction to Cryptography, Modern Cryptography, Distributed Systems, Artificial Intelligence, Machine Learning, Computer Algorithms, Design and Analysis of Algorithms (II)
FELLOWSHIPS & SCHOLARSHIPS	CATT Fellowship, NYU-POLY, 2009-2010 Departmental Fellowship, Computer Science and Engg. Dept., NYU-POLY, 2010-2015
LANGUAGES	English (Fluent), Hindi (Fluent), Telugu (Mother Tongue)