

# SRISHTI GUPTA

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## EDUCATIONAL QUALIFICATIONS

Year	Degree/ Certificate	Institute/ School	CGPA/Percentage
Dec 2013 – Present	PhD in Computer Science (CS)	Indraprastha Institute of Information Technology, Delhi (IIIT-Delhi)	Running CGPA : 9.2 / 10
2011-2013	M. Tech in Computer Science (CS) with specialization in Information Security	Indraprastha Institute of Information Technology, Delhi (IIIT-Delhi)	CGPA : 9.2 / 10
2007-2011	B. Tech in Computer Science and Engineering (CSE)	Northern India Engineering College, GGSIPU	83.25 %

## RESEARCH INTERESTS

- Security and Privacy in Online Social Media and Mobile Networks
- Information Diffusion in Online Social Media
- Cyber crime

## TECHNICAL SKILLS

Programming: PHP, Python, MySQL, HTML, CURL, MongoDB, IBM DB2

Others: RESTful APIs (Facebook, Twitter, GooglePlus, YouTube etc.)

## PUBLICATIONS

- **Gupta, S.**, Gupta, P., Ahamad, M., and Kumaraguru, P. Exploiting Phone Numbers and Cross-Application Features in Targeted Mobile Attacks. 6th Annual ACM CCS Workshop on Security and Privacy in Smartphones and Mobile Devices. ACM, 2016
- **Gupta, S.** Emerging Threats Abusing Phone Numbers Exploiting Cross-Platform Features. 2016 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM). Ph.D. Forum.
- **Gupta, S.**, Gupta, P., Ahamad, M., and Kumaraguru, P. Know your targets: Privacy and Security Implications in Instant Messaging Applications. Poster at 2nd NYUAD Annual Research Conference, Abu Dhabi, 2015.
- **Gupta, S.**, and Kumaraguru, P. Emerging Phishing Trends and Effectiveness of the Anti-Phishing Landing Page. Accepted at 9th APWG eCrime Research Symposium (eCRS), 2014
- **Gupta, S.**, Gupta, M., Kumaraguru, P. OCEAN: Open source Collation of eGovernment data and Networks. **Best Poster award** at IIT-Kanpur Security and Privacy Symposium, 2013.
- **Gupta, S.**, Gupta, M., Kumaraguru, P. Is Government a Friend or Foe? Privacy in Open Government Data. Poster at IBM-ICARE, IISc Bangalore, 2012.

## Technical Reports

- **Gupta, S.**, Kumaraguru, P. OCEAN: Open-source Collation of eGovernment data And Networks - Understanding Privacy Leaks in Open Government Data. Submitted in partial fulfilment of the requirements for the Degree of M.Tech in Computer Science, with specialization in Information Security. IIIT-Delhi. 2013.

## PROFESSIONAL COLLABORATIONS / INTERNSHIPS

- **Georgia Institute of Technology (GaTech), Atlanta, USA**

Visiting Researcher, June 2016 – August 2016

Basic Learning:

The objective is to understand the emerging threats related to phone numbers abuse.

- **New York University (NYU), Abu Dhabi, UAE**

Visiting Researcher, October 2014 – June 2015

Basic Learning:

The objective is to understand feasibility, scalability, and effectiveness of targeted attacks on Over-The-Top messaging applications.

- **University at Suny Buffalo (UB), NY, USA**

Research Intern, June 2013 – August 2013

Basic Learning:

The objective is to understand the online privacy perceptions of elderly citizens living in India.

- **Defence Research & Development Organization (DRDO) , Metcalfe House , India**

Student Intern, May 2010 – July 2010

Basic Learning:

Entered into a live project and learnt the implementation of use cases and designing Graphical User Interface (GUI) in Java language. Was well acquainted with the tool Netbeans6.9.

## ACADEMIC PROJECTS

Project title: **OCEAN: Open-source Collation of eGovernment data And Networks**

Duration: May2012 – May 2013

The aim of the project is to display the user's information available publicly on several government sites. Personal information is available for free on such government portals. This can be privacy invasive. System live at <http://precog.iiitd.edu.in/research/ocean/>

Project title: **Cyberbullying**

Duration: Sep2011 - Nov2011

Facebook applications (two) developed to spread awareness about the issue and to collect user data to do an analysis as to what percentage is involved in it. Was developed as the part of the course project in Foundations of Computer Security. The application was developed in python in front-end and used Google datastore for back-end.

Project title: **SMART Room construction**

Duration: Jan2012-Apr2012

The aim of the project was to construct a SMART ROOM by interfacing various sensors like humidity, temperature, Accelerometer, Analog PIR etc. It was done as a part of a course project in Embedded Systems.

## **GRADUATE COURSEWORK**

Secure Coding, Foundations in Information Security, Web 2.0 Online social media, Applied Cryptography (A), Topics in Cryptanalysis (A), Information Retrieval, Embedded Systems (A), Social Network Analysis (A), and Mobile Computing.

## **AWARDS AND HONORS**

- Invited panelist at Messaging Malware Mobile Anti-Abuse Working Group (M3AAWG), June 2016.
- Invited speaker at Data Hackathon workshop at IGDTUW, Delhi, April 2016.
- Ph.D. Research Grant, Government of India.
- GATE scholarship, Ministry of Human Resources Development (MHRD), 2011 – 2013.

## **TEACHING EXPERIENCE**

- Teaching Assistant for Privacy and Security in Online Social Media (PSOSM) at NPTEL, Fall 2016.
- Teaching Assistant for Designing Human Centered Systems (DHCS), Spring 2016.
- Teaching Assistant for Privacy and Security in Online Social Media (PSOSM), Fall 2015.
- Teaching Assistant for Designing Human Centered Systems (DHCS), Spring 2014.
- Teaching Assistant for Probability and Statistics, Winter 2013.
- Teaching Assistant for Advanced Programming, Fall 2012.
- Teaching Assistant for Computer Networks, Winter 2012.

## **MEDIA COVERAGE**

- Master's thesis technology, OCEAN, covered in Hindustan Delhi newspaper, April 2013.

## **OTHERS**

- Website admin for CERC (<http://cerc.iitd.ac.in/>) since 2014.
- Student volunteer for organizing Security and Privacy Symposium at IIT Delhi, 2016.
- Student instructor in Workshop for School Teachers on Strategies for Safe and Effective Use of Online Social Media, May 2015.
- Student volunteer for organizing Security and Privacy Symposium at IIT Kanpur, February 2014.
- Student organizer for Indo UK workshop on Cybersecurity, March 2013.