

SRISHTI GUPTA

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EDUCATIONAL QUALIFICATIONS

Year	Degree / Certificate	Institute / School	CGPA / Percentage
Dec 2013 – Present	Ph.D. 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
- Social Network Analysis, Data Mining, Machine Learning
- Cyber crime

TECHNICAL SKILLS

Programming: PHP, Python (Matplotlib, Scikit Learn, NLTK, Numpy), MySQL, HTML, CURL, IBM DB2, NoSQL (MongoDB)

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

Worked on understanding the emerging threats related to phone numbers abuse on online social networks.

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

Visiting Researcher, October 2014 – June 2015

Worked on understanding the 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

Worked on understanding the online privacy perceptions of elderly citizens living in India.

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

Student Intern, May 2010 – July 2010

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.

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

Constructed 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.

TECHNOLOGIES BUILT

Open-source Collation of eGovernment data And Networks (OCEAN), 2013

System highlighting privacy intrusion by collating sensitive information from publicly available government websites.

<http://precog.iitd.edu.in/research/ocean/>

GRADUATE COURSEWORK

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

PROFESSIONAL ACTIVITIES

- Reviewer, Information Systems Frontiers Journal, 2017.

ADVISING

- Research Interns at Precog, IIT-Delhi: Lohitaksh Parmar (IIT-Delhi), Abhinav Khattar (IIT-Delhi), Arpit Gogia (DTU, India), Dhruv Kuchhal (GGSIPU, India).

AWARDS AND HONORS

- Amongst 20 Ph.D. students selected all over India for doctoral symposium at NIIT University, Neemrana, India, September 2017.
- Student travel grant to attend CCS 2016.
- Invited Panelist at Messaging Malware Mobile Anti-Abuse Working Group (M3AAWG), Philadelphia, 2016.
- Ph.D. Research Grant, Government of India, 2013.
- Best poster award at IIT-Kanpur Security and Privacy Symposium, 2013.
- GATE scholarship, Ministry of Human Resources Development (MHRD), 2011 – 2013.
- Amongst top 5 students in CSE department, B.Tech, GGSIPU, 2011.

TEACHING EXPERIENCE

- Teaching Assistant for Privacy and Security in Online Social Media (PSOSM) at NPTEL, Fall 2016.
- Head Teaching Assistant for Designing Human Centered Systems (DHCS), Spring 2016.
- Head Teaching Assistant for Privacy and Security in Online Social Media (PSOSM), Fall 2015.
- Head Teaching Assistant for Designing Human Centered Systems (DHCS), Spring 2014.
- Head 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

- Student volunteer for organizing Summer School on Privacy and Security at IIT Hyderabad, 2017.
- Gave invited talk on 'Stay Safe on Online Social Networks' to school students, Summer School at IIITD, 2017.
- Gave tutorial on 'Visualizations using NetworkX and iGraph', PSOSM at IIITH, 2017.
- Website admin for CERC (<http://cerc.iiitd.ac.in/>), 2014 - 2016.
- Student volunteer for organizing Security and Privacy Symposium at IIT Delhi, 2016.
- Gave invited talk at Data Hackathon workshop at IGDUTW, Delhi, April 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.

REFERENCES

- **Prof. Mustaque Ahamad**
Associate Director, Institute for Information Security and Privacy (IISP), Georgia Institute of Technology
mustaq@cc.gatech.edu
- **Prof. Ponnurangam Kumaraguru**
Head, Precog Research Group, Indraprastha Institute of Information Technology, Delhi
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- **Dr. Payas Gupta**
Data Scientist, Pindrop, Atlanta
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