

EXPERIENCE

- **Indraprastha Institute of Information Technology, Delhi (IIIT-D)** Delhi, India
Research Associate at PreCog Research Lab *June 2018 - Present*
 - **Area:** Social Computing - Security and Privacy on Online Social Networks (OSNs).
 - **Advisor:** Prof. Ponnurangam Kumaraguru (Head, PreCog Research Lab).
 - **Current Work:** Understanding and building tools to mitigate misinformation on WhatsApp using Data Science, Computational Social Science, Social Computing, Machine Learning, and Natural Language Processing.
 - **Undergraduate Work:** During my undergraduate studies, we worked on the first data-driven characterization of cross-platform campaigns - campaigns that use multiple OSN platforms and use phone numbers for monetization.
- **University of Maryland (UMD), College Park** remotely from Delhi, India
Research Assistant at Security, Privacy, People Lab (SP2) *December 2017 - Present*
 - **Area:** Usable Privacy and Security.
 - **Advisor:** Prof. Michelle Mazurek (Head, SP2, UMD).
 - **Work:** Research focuses on understanding whether users make rational security decisions and improving the quality of security advice via qualitative, quantitative, and data science projects.
- **All India Council for Technical Education (AICTE), MHRD, GoI** Delhi, India
Research and Development Intern *October 2017 - March 2018*
 - **Problem Statement:** Prediction of Admission & Jobs in Engineering & Technology/Management/Pharmacy.
 - **Advisors:** Dr. N.H. Siddalingaswamy (Director, AICTE).
 - **Work:** In a team of 5 and with a project budget of \$4600, we analyzed AICTE's employment statistics dataset and developed dynamic analytic dashboards to aid AICTE in granting approvals to higher education institutions.

EDUCATION

- **Maharaja Agrasen Institute of Technology** GGSIP Univ., Delhi, India
Bachelor of Technology in Information Technology; First Class; CPI: 74.51 *2014 - 2018*

ACHIEVEMENTS

- **Smart India Hackathon 2017, MHRD, Government of India:** Our team of 6 members advised by Dr. Sambuddha Roy (currently Principal Data Scientist at Microsoft) won the first prize with a total cash prize of \$3134 awarded by Government of India and MAIT.
- **Association for Computing Machinery (ACM):** Received 'Recognition of Service Award' as founding Chair of a 80+ strong team of ACM-MAIT Student Chapter.
- **Department's top 5:** Mentioned in the top 5 student achievers on MAIT's IT department's website ([link](#)).

PUBLICATIONS

- Redmiles, E.M., Zhu, Z., Kross, S., **Kuchhal D.**, Dumitras, T. and Mazurek, M.L.,
Asking for a Friend: Evaluating Response Biases in Security User Studies.
The 25th ACM Conference on Computer and Communications Security (CCS), 2018.
Acceptance Rate: 16% (134/809) [[dl.acm.org](#)] [[pdf](#)]
- Gupta, S., **Kuchhal D.**, Gupta, P., Ahamad, M., Gupta, M. and Kumaraguru, P.,
Under the Shadow of Sunshine: Characterizing Spam Campaigns Abusing Phone Numbers Across Online Social Networks*.
The 10th ACM Conference on Web Science (**WebSci**), Amsterdam, Netherlands, 2018.
Acceptance Rate: 27% (30/113) [[dl.acm.org](#)] [[pdf](#)]
Award: Runner up for Best Student Paper

- Redmiles, E.M., Morales, M., Maszkiewicz, L., Stevens R., Liu E., **Kuchhal, D.** and Mazurek, M.L., **First Steps Toward Measuring the Readability of Security Advice.** The 2018 IEEE Security & Privacy Workshop on Technology and Consumer Protection (**ConPro**), San Francisco, USA, 2018. [iee-security.org] [[pdf](#)]
- Redmiles, E.M., Maszkiewicz, L., Hwang E., **Kuchhal D.**, Liu, E., Morales, M., Peskov, D., Rao, S., Stevens, R., Gligori, K., Kross, K., Mazurek, M.L., Daum III, H. **Digital Words: Moving Forward with Measuring the Readability of Online Texts.** *currently under review at ACM CHI 2019.* [drum.lib.umd.edu] [[pdf](#)]
- Gupta, S., Bhatia, G., Suri, S., **Kuchhal D.**, Gupta, P., Ahamad, M., Gupta, M. and Kumaraguru, P., **Characterizing Variations Across Twitter Timeline of Technical Support Campaigners.** *an invited submission, currently under review at the Journal Of Web Science.*

POSTERS

- Redmiles, E. M., Hwang, E., **Kuchhal D.**, Liu, E., Maszkiewicz, L., Morales, M., Peskov, D., Stevens, R., and Mazurek, M. L., Measuring Security Advice Quality: First Steps. The 27th USENIX Security Symposium, 2018. [[proposal pdf](#)]
- *I presented this poster at CCS2018:* Redmiles, E. M., Dickerson, J. P., Gummadi, K. and Mazurek, M. L., Equitable Security: Optimizing Distribution of Nudges and Resources. The 25th ACM Conference on Computer and Communications Security (**CCS**), 2018. [dl.acm.org] [[poster pdf](#)] [[proposal pdf](#)]