Saksham Chitkara

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EDUCATION

CARNEGIE MELLON UNIVERSITY
Masters of Science in Information Security
Aug 2017 - Dec 2018 | Pittsburgh, PA
Information Networking Institute
Scholarship Recipient - 2017

SRM UNIVERSITY
Bachelors of Technology in Computer Science
June 2016 | Chennai, India
College of Engineering
GPA: 4.0 / 4.0

COURSEWORK

GRADUATE
Ubiquitous Computing (08-736)
Computer Systems (18-600)
Information Security (18-730)
Machine Learning (10-601)

GRADUATE - AUDITED
Green Computing (08-840)
User Focused Sensing Systems (08-735)
Distributed Systems (15-640)

SKILLS

Good:
Java • Python • C
Android • Django Framework
MySQL • Git • Vim • Shell Scripts

Familiar:
C++ • Matlab • Go • Assembly
HTML/CSS • LaTeX

LANGUAGES

English - **Academic Proficiency**
Hindi - **Native Speaker**

LINKS

Github://**saksham12**
LinkedIn:// **saksham-chitkara -b319698a**

EXPERIENCE

CARNEGIE MELLON UNIVERSITY | Research Associate
Jan 2016 – June 2017 | Pittsburgh, PA
- Lead a 5 person CMU team to manage a DARPA funded project (Privacy Enhanced Android) on improving the privacy and security of Android. Worked in collaboration with teams from UC Berkeley, Cornell and UC Irvine.

DELL INC | Software Engineering Intern
Summer 2014 | Chennai, India
- Wrote scripts to perform security automation and testing. All code was reviewed, perfected, and pushed to production.

RESEARCH

CONTEXT-AWARE PRIVACY MANAGEMENT | Synergy Lab, CMU
First Author Publication at Ubicomp 2017
- Designed and built a Context-Aware library based privacy management model which lead to 25% better protection and 30% reduced user decisions.
- `http://www.synergylabs.org/yuvraj/docs/Chitkara_Ubicomp2017_ContextAwarePrivacy.pdf`

PRIVACY PROXY | CHIMPS Lab + Synergy Lab, CMU
Technical Report Published | Aug 2016 – Aug 2017 | Android, Go, MySQL
- PrivacyProxy is an app for unmodified android devices to detect Personally Identifiable Information (PII) by analyzing the network traffic of the crowd.
- Designed and implemented a Privacy-sensitive system which intelligently filters the PII before it leaves the device.
- `https://arxiv.org/pdf/1708.06384.pdf`

PROJECTS

PROTECT MY PRIVACY | Synergy Lab, CMU
Jan 2016 – Aug 2017 | Pittsburgh, PA | Android, C, Python, Django, MySQL | 30,000+ downloads
- Designed and implemented a Firewall which blocks Wifi and mobile data on a per app basis by interacting with the Android Kernel.
- Model a recommendation system to assist users in making decisions.

PRIVACY ENHANCED ANDROID | CHIMPS Lab + Synergy Lab, CMU
Jan 2017 – Aug 2017 | Pittsburgh, PA
- Constructed an all-encompassing purpose taxonomy for private data access on smartphones and separate out private data access on the basis of the purpose.
- Enforced data transmission to apps on the basis of data-usage purposes.

FELLOWSHIPS AND AWARDS

2017	Prabhu and Poonam Pandey Fellowship, Information Networking Institute, Carnegie Mellon University. Awarded to 2 students in 150.
2016	Research Fellow, Institute for Software Research, Carnegie Mellon University
2014	National Programing Contest - India's Best Brains - Rank 3/3700
2013	Best project award, Computer Science Department, SRM University
2013	Finalist, Research Day, SRM University (Top 10/600)