

Shweta Shinde

PhD Candidate

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EDUCATION **National University of Singapore, Singapore**
Ph.D. Candidate, Computer Science, August 2013 - Present

- Dissertation Topic: “Protecting User Applications from Untrusted Operating Systems”
- Advisor: [Prateek Saxena](#)

College of Engineering Pune, University of Pune, India

B.Tech., Information Technology, 2008 - 2012

- GPA: 9.2/10, Rank 3
- Dissertation Topic: “Multi-tenancy in Storage Cloud using Operating System Virtualization”
- Advisor: [Sandeep Patil \(IBM Corporation\)](#)

PUBLICATIONS [Shweta Shinde](#), Dat Le Tien, Shruti Tople, and Prateek Saxena. Panoply: Low-TCB Linux Applications With SGX Enclaves. To appear at the *24th Annual Network and Distributed System Security Symposium (NDSS)*, February 2017.

[Shweta Shinde](#), Zheng Leong Chua, Viswesh Narayanan, and Prateek Saxena. Preventing Page Faults from Telling your Secrets. In the Proceedings of the *11th ACM Asia Conference on Computer and Communications Security (ASIACCS)*, June 2016.

Hong Hu, [Shweta Shinde](#), Sendrou Adrian, Zheng Leong Chua, Prateek Saxena, and Zhenkai Liang. Data-Oriented Programming: On the Expressiveness of Non-Control Data Attacks. In the Proceedings of the *36th IEEE Symposium on Security and Privacy (S&P)*, May 2016.

Inian Parameshwaran, Enrico Budianto, [Shweta Shinde](#), Hung Dang, Atul Sadhu, and Prateek Saxena. Auto-patching DOM-Based XSS At Scale. In the Proceedings of the *10th ACM SIGSOFT Symposium on the Foundations of Software Engineering (FSE)*, August 2015.

Loi Luu, [Shweta Shinde](#), Prateek Saxena and Brian Demsky. A Model Counter for Constraints Over Unbounded Strings. In the Proceedings of the *35th annual ACM SIGPLAN conference on Programming Language Design and Implementation (PLDI)*, June 2014.

Shruti Tople, [Shweta Shinde](#), Zhaofeng Chen, and Prateek Saxena. AUTOCRYPT: Enabling Homomorphic Computation on Servers To Protect Sensitive Web Content. In the Proceedings of the *20th ACM Conference on Computer and Communications Security (CCS)*, October 2013.

TECHNICAL REPORTS [Shweta Shinde](#), Shruti Tople, Deepak Kathayat and Prateek Saxena. PODARCH: Protecting Legacy Applications with a Purely Hardware TCB. <https://www.comp.nus.edu.sg/~shweta24/podarch>. School of Computing, National University of Singapore, February 2015.

TOOLS & POSTERS Inian Parameshwaran, Enrico Budianto, [Shweta Shinde](#), Hung Dang, Atul Sadhu, and Prateek Saxena. DEXTERJS: Robust Testing Platform for DOM-based XSS Vulnerabilities. In the Proceedings of the *10th ACM SIGSOFT Symposium on the Foundations of Software Engineering (FSE)*, August 2015.

Shweta Shinde, Shruti Tople, Deepak Kathayat and Prateek Saxena. Poster: PODARCH: Protecting Legacy Applications with a Purely Hardware TCB. *35th IEEE Symposium on Security and Privacy (S&P)*, May 2015.

PROFESSIONAL EXPERIENCE	Teaching Assistant CS5331 Web Security , National University of Singapore	Jan 2014 - May 2014
	Research Intern, National University of Singapore	Aug 2012 - Aug 2013
	Research Intern, India Storage Lab, IBM Corporation, Pune, India	Jan 2012 - May 2012
	Summer Intern, Cummins India Ltd., Pune, India	June 2011 - Aug 2011

PROFESSIONAL SERVICES	Sub-reviewer
	<ul style="list-style-type: none">• USENIX Security Symposium (2013, 2014)• IEEE Symposium on Security & Privacy (2014, 2015, 2016)

HONORS AND AWARDS	President Graduate Fellowship, National University of Singapore, 2013 - Present
	Professional Activities Grant, ACM SIGPLAN Professional Activities Committee, 2014
	Postgraduate Travel Grant, School of Computing, National University of Singapore, 2014-2016