

RUTURAJ KIRAN VAIDYA

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EDUCATION

University of Kansas (3.48) PHD Computer Science	Lawrence, KS Dec 2023
University of Mumbai (First Class) BE Electronics Engineering	Mumbai, India May 2014

WORK EXPERIENCE

University of Kansas <i>Graduate Research Assistant</i>	Lawrence, KS From Jan 2019
<ul style="list-style-type: none">• Thesis - Securing binaries with intel PIN	
University of Kansas <i>Graduate Teaching Assistant</i>	Lawrence, KS Aug 2018 Dec 2018
<ul style="list-style-type: none">• Teaching Assistant for Compiler Construction class (EECS 665)	
<i>Graduate Teaching Assistant</i>	Jan 2018 May 2018
<ul style="list-style-type: none">• Teaching Assistant for Operating Systems class (EECS 678)	
LTI <i>Systems Engineer</i>	Mumbai, India Dec 2014 Mar 2017
<ul style="list-style-type: none">• Deploying, configuring scripts, packages and managing servers (Linux)• Patching and upgrading the kernel as per requirements	
Atomberg Technologies <i>Software Developer (intern)</i>	Mumbai, India Aug 2013 Aug 2014
<ul style="list-style-type: none">• Developing and Testing company's software (c++) using visual studio• Maintaining and improving performance of the existing software	

SKILLS

Programming Languages:	Python, C++, C, x86 assembly
Tools, operating system and other skills:	Linux, HTML, CSS, git, intel PIN etc.
Current Research and thesis:	Application (binary) security, Package manager security

PROJECTS

Compromising Package manager security <i>Python, javascript, MongoDB, jq, etc.</i> An ongoing research project that talks about vulnerabilities in package managers
Search Engine <i>Python, HTML, CSS</i> Complete Search Engine using Python and a web interface using HTML and CSS
Preemptive GPU scheduling <i>C++</i> Re-implementation of an original unpublished paper on odroid xu4, by fixing the drivers' patch
Quash Shell <i>C</i> Quash (quite a shell) program using UNIX system calls including a linked list data structure for pipe-lining, re-directions and background jobs

PUBLICATIONS

Security Issues in Language-based Software Ecosystems Raturaj K. Vaidya, Lorenzo De Carli, Drew Davidson, Vaibhav Rastogi	Feb 2019
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