Ruturaj Kiran Vaidya

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Education

University of Kansas (3.42)   Lawrence, KS
MS Computer Engineering   May 2019

University of Mumbai (First Class)   Mumbai, India
BE Electronics Engineering   May 2014

Work Experience

University of Kansas   Lawrence, KS
Graduate Research Assistant   From Jan 2019

- Thesis - Application (binary) security

University of Kansas   Lawrence, KS
Graduate Teaching Assistant   Aug 2018 | Dec 2018

- Teaching Assistant for Compiler Construction class (EECS 665)

Graduate Teaching Assistant   Jan 2018 | May 2018

- Teaching Assistant for Operating Systems class (EECS 678)

LTI   Mumbai, India
Systems Engineer   Dec 2014 | Mar 2017

- Developing and testing Python scripts used for system automation
- Deploying, configuring scripts and managing servers (Linux) using puppet
- Patching and upgrading the kernel as per requirements

Atomberg Technologies   Mumbai, India
Software Developer (intern)   Aug 2013 | Aug 2014

- Developing and Testing company's software (c++) using visual studio
- Maintaining and improving performance of the existing software

Skills

Programming Languages:	C++, C, Python, JavaScript, MongoDB, sql
Tools, operating system and other skills:	HTML, CSS, Linux, nodejs, pandas, visual studio, etc.
Current Research and thesis:	Application (binary) security, Package manager security

Projects

Compromising Package manager security *Python, javascript, Mongodb, jq, etc.*
An ongoing research project that talks about vulnerabilities in package managers

Search Engine *Python, HTML, CSS*   https://github.com/Ruturaj4/Search-Engine
Complete Search Engine using Python and a web interface using HTML and CSS

Preemptive GPU scheduling *C++*   https://github.com/Ruturaj4/Preemptive-GPU-Scheduling
Re-implementation of an original unpublished paper on odroid xu4, by fixing the drivers' patch

Quash Shell *C*
Quash (quite a shell) program using UNIX system calls including a linked list data structure for
pipe-lining, re-directions and background jobs

Awards

Service excellence award   LTI
Awarded for excellent client service   Jan 2017