

sanchit karve

LOCATION Portland, Oregon • CELL (425) 985-6945 • E-MAIL write2sanchit@gmail.com
WEB sanchitkarve.com • GITHUB github.com/born2c0de • LINKEDIN linkedin.com/in/sanchitkarve

PROFILE

I am part of the global threat intelligence team at McAfee, Inc. where my work involves reverse engineering malware, file formats, communication protocols, etc. to provide solutions for detection and removal of malware as well as writing analysis and automation tools to aid the former. I am currently interested in a full-time position that enables me to use my skill sets in software development or app/network security.

EXPERIENCE

Anti-Malware Researcher @ McAfee, Inc. Sep 2012 – present
I research malware and their infection vectors for Windows/Linux and develop internal tools for malware analysis, automation and intelligence. I also author and improve detection and repair code for McAfee's VirusScan line of products as a result of analyzing various crimeware, anti-AV techniques and advanced persistent threats. My research on the Sality file infector has enabled McAfee to be the only AV product to completely restore infected samples. I created a system to mimic complex network communication of 3 malware families w/ their control servers and harvested ~25K unique samples over ~6 months. Received Employee of the Quarter and Collaboration Awards.

Maintainer @ The Privly Foundation Oct 2011 – present
Volunteering with an open source project called Privly as their maintainer of their Opera browser extension and Android app. Mentored a student to develop the android app during Google's Summer of Code (GSoC) 2013 and GSoC 2014.

Software Engineering Intern @ Electro-Scientific Industries Jun 2011 – Sep 2011
Developed multi-threading functionality, copy protection code and diagnostic tools for ESI's 3500 electrical tester.

Graduate Research Assistant @ Oregon State University Sep 2010 – Aug 2012
Researched quality of open source software components on online repositories by analyzing "low ceremony evidence" of source code posted on CodeProject.com to determine its reusability score.

SKILLS

C/C++ x86 Assembly Python C# JavaScript Java (Android)
Reverse Engineering Malware Analysis Win32 API

EDUCATION

Master of Science – Computer Science (HCI) 2010 - 2012 (GPA: 3.53)
Oregon State University

Bachelor of Engineering – Computer Engineering 2006 - 2010
University of Mumbai