ROHIT P. TAHILIANI

Postgraduate Student at Trinity College Dublin

@ tahiliar@tcd.ie

+353-899882684

Oublin, IE

in linkedin.com/in/rohittahiliani

github.com/sneaker-rohit

EXPERIENCE

Software Engineer

SONY

Aug 2014 - Aug 2016

P Bengaluru, IN

- Performing security scans, code enhancements & bug fixes.
- Production support & troubleshooting tasks.
- Working with Agile Scrum Methodologies.
- Delivered sessions to internal teams on the state of the art technologies.

PROJECTS

Implementation & Evaluation of Linux Queue Disciplines in ns-3

Dec 2016 - Ongoing

Oublin, IN

- Implementing a ns-3 model for a recently proposed AQM, PI2: A Linearized AQM for Classic and Scalable TCP.
- AQM Mechanisms a.k.a. Queue Disciplines are designed to address the problem of Bufferbloat.

Improved Congestion Feedback in Data Center TCP

May 2013 - May 2014

Mangalore, IN

- DCTCP algorithm was modified to use mark from front strategy with an aim to reduce the Flow Completion Time of mice traffic.
- Simulations results obtained using ns-2 confirmed the effectiveness of proposed algorithm.

</> System Hardening of Linux Box

M Oct 2013 - Nov 2013

Mangalore, IN

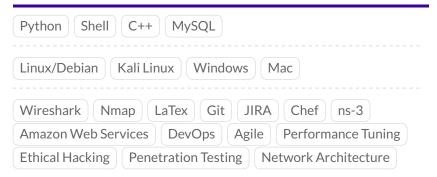
- Implement multiple layer of defense mechanisms to lock down potential threats.
- Worked on Iptables, TCP Wrappers, Port Knocking techniques and performing vulnerability scans.

</> Configuring Software Firewalls in Linux

Mangalore, IN

- Implemented different rules and policies in iptables & uncomplicated firewall (ufw).
- Developed configurations to prevent attacks and block specific ports, protocols, IP addresses.

TECHNICAL SKILLSET



LIFE PHILOSOPHY

"Start Early. Fail Often."

EDUCATION

M.S. in Networks & Distributed Systems

m Trinity College Dublin, Ireland

Sept 2016 - Ongoing

► B.E. in Computer Science & Engineering

m NMAM Institute of Technology, India

Aug 2010 - May 2014

MOST PROUD OF



Courage I had

to effectively deliver training to 120+ students on creating awareness about Cyber Security.



Publishing

book chapter and research papers at International Conferences.



Training Sessions

delivered at several colleges in India. Sessions mainly on using ns-3 simulator for network simulations.

STRENGTHS

Hard-working Presentation Skills

Motivation & Leadership

Technical Writing Research HTTP

DNS SSL/TLS TCP Simulations

Information Security Networking

INTERESTS

 ¶ Music

 ¶ Photography

 ¶ Blogging

 ҈ Bike-riding

 ⊈ Cooking

LANGUAGES

English Hindi Gujarati



PUBLICATIONS

Books

• Khan, Samee Ullah and Albert Y Zomaya (2015). *Handbook on Data Centers*. Springer.

Contributed a chapter "TCP Congestion Control in Data Center Networks".

Conference Proceedings

• Tahiliani, Rohit P, Mohit P Tahiliani, and K Chandra Sekaran (2012). "TCP variants for data center networks: a comparative study". In: Cloud and Services Computing (ISCOS), 2012 International Symposium on. IEEE, pp. 57–62.

REFEREES

Prof. Hitesh Tewari

- @ htewari@tcd.ie
- School of Computer Science & Statistics, Trinity College Dulin, Ireland

Ms. Sreedevi Karuppanan

- @ Sreedevi.Karuppanan@ap.sony.com
- ➤ Sony India Software Center Pvt. Ltd., Bengaluru, India