Sanjay **Sharma**

PROJECT ENGINEER · CYBER SECURITY RESEARCHER

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*"**Have total 1 year and 8 months IT relevant experience**"*

Sum**mary**

Working as Project Engineer, in Interdisciplinary Centre for Cyber Security and Cyber Defense of Critical Infrastructures, at Indian Institute of Technology, Kanpur and Founder of Cyber Security Society, Kanpur.

Wor**k Experience**

Indian Institute of Technology
Kanpur, U.P., India

PROJECT ENGINEER
Feb. 2019 - PRESENT

- Currently leading a project i.e. "Passive Analysis of Industrial Control Networks".
- Worked on Malware Analysis related project i.e. Linux, Windows and android platform.
- Leading Honeypot project for Industrial Control System.

Inurture Education Solutions Private Limited
Jaipur, Rajasthan & Kanpur, Uttar Pradesh

SENIOR FACULTY, INFORMATION SECURITY VERTICAL
Oct. 2017 - Feb. 2019

- Taught many subjects like Cyber Security Fundamentals, Ethical Hacking, Security Threats and Trends.
- Organized National Level Hackathon and one Faculty Development Program on Cyber Security

National Institute of Technical Teachers Training & Research
Chandigarh, India

POST GRADUATE RESEARCH SCHOLAR (MALWARE ANALYSIS)
Jan. 2017 - July. 2017

- During my Master of Engineering worked on project "Detection of Advanced Malware using Machine Learning" for windows platform.

Krishna Institute of Technology
Kanpur, U.P., India

SENIOR LECTURER
Oct 2014 - July 2016

- Taught many subjects like Cyber Security, Information Security and Cyber Laws etc.

Cer**tification**

Certified Ethical Hacker
version-10

EC-COUNCIL
15 July 2019 - 14 July 2022

Edu**cation**

NITTTR(Panjab University)
Chandigarh, India

MASTER OF ENGINEERING IN COMPUTER SCIENCE AND ENGINEERING
June 2014 - July 2017

- Done thesis on "Detection of Advanced Malware Using Machine Learning"
- Research Area: Malware Analysis
- CGPA= 7.90

Uttar Pradesh Technical University, Lucknow
U.P., India

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING
July 2007 - July 2011

- Percentage: 68.66%

Publication

Detection of Malware in Linux Operating System using Hybrid Analysis *Singapore*
SPRINGER *Accepted*

Detection of Android Malware Using Machine Learning Techniques *Singapore*
SPRINGER *Accepted*

Book Chapter: Honeypot Deployment Experience at IIT Kanpur *Singapore*
SPRINGER *2020*

Detection of Advanced Malware by Machine Learning Techniques *Singapore*
SPRINGER *2018*

Unknown Malware Detection with Static Features Using Machine Learning: A Brief Survey *NITTTR, Chandigarh*
INTERNATIONAL CONFERENCE ON COMMUNICATION COMPUTING AND NETWORKING *2017*

Thesis Supervision

Master Thesis: Vaishali Chaudhary, Master of Engineering, NITTTR Chnadigarh.
Thesis title: Detection of Unknown Malware in Linux Operating System using Hybrid Analysis.

Achievements

DOMESTIC

2019	**Second rank holder in M.E. Computer Science & Engineering of 2017 Batch**, 68th Convocation at Panjab University	*Chanigarh, India*
2017	**Best Student Paper, same news was covered widely in different news papers dated 25 December, 2017 Jhansi edition.**, International Conference on Soft Computing: Theories and Application (SoCTA 2017)	*Bundelkhand University Jhansi*

Skills

Sandbox Used, Cuckoo, Limon
Programming language, C, Python, Latex
Machine Learning Tool, WEKA, R.
Reverse Engineering Tool, Apktool, OBJDUMP
Vulnerability Assessment Tool, Wireshark, Nessus Tool

Conference & Workshop

NullCon-2020 *Goa*
ATTENDED THE CONFERENCE *March 2020*
- Represented IIT Kanpur at conference exhibition.
- Part of the organising team for SCADA-CTF.

DSCI, Annual Information Security Summit-2019 *The Leela Ambience, Gurugram*
ATTENDED THE CONFERENCE *December 2019*
- Represented IIT Kanpur at conference exhibition.

Cyber Security Awareness Week 2019 (CSAW-2019) *IIT, Kanpur*
ORGANISER, SPEAKER FOR- CSAW 2019 *November 2019*
- Part of the organising team.
- Delivered lecture on ICS-Honeypot Technology.

Cyber Security Awareness Program at Field Gun Factory, Kanpur (Ministry of Defence, Govt. of India) *FGK, Kanpur*
PRESENTER FOR- CYBER SECURITY: RECENT TRENDS. *July 2019*
- Organised by Cyber Security Society, Uttar Pradesh.
- Delivered lecture on cyber security basics and workplace security.

In-house training (Computer Science and Engineering Department) *REC, Banda*

Presenter for- Cyber Security: Recent Trends. *17-18 June 2018*

- Organised by Cyber Security Society, Uttar Pradesh.
- Delivered lecture on cyber security basics and malware analysis.

Cyber Security Awareness Program at Small Arms Factory, Kanpur (Ministry of Defence, Govt. of India) *SAF, Kanpur*

Presenter for- Cyber Security: Recent Trends. *June 2019*

- Organised by Cyber Security Society, Uttar Pradesh.
- Delivered lecture on cyber security basics and workplace security.

Cyber Security Awareness Program at Ordnance Factory, Kanpur (Ministry of Defence, Govt. of India) *OFC, Kanpur*

Presenter for- Cyber Security: Recent Trends. *May 2019*

- Organised by Cyber Security Society, Uttar Pradesh.
- Delivered lecture on cyber security basics and workplace security.

Faculty Development Program (Computer Science and Engineering Department) *Poornima University, Jaipur*

Presenter for- Cyber Security: Recent Trends. *Apr. 2018*

- Discussed about Malicious Software and their analysis technique.

Short term course on Cyber Security *Centre of Advanced Studies, AKTU, Lucknow, India*

Attended the course *22-26 March 2018*

- Learnt about the recent threats and trends in Cyber Security.
- Used some security tool for malware analysis

International Conference on Soft Computing: Theories and Applications *Bundelkhand University,Jhansi, India*

Attended two days Conference *December 2017*

- Presented my paper "Detection of Advanced Malware by Machine Learning Techniques"

International Conference on Communication Computing and Networking *NITTTR, Chandigarh, India*

Attended two days Conference *Mar.2017*

- Presented my paper "Unknown Malware Detection with Static Features Using Machine Learning: A Brief Survey"

R Programming by Predictive Analysis Solution Pvt. Ltd. Bengaluru *NITTTR, Chandigarh*

Attended one-week training program *06-10 March 2017*

- Learnt about the recent threats and trends in Cyber Security.
- Used some security tool for malware analysis

Short term course on Cyber Crime and Forensic Tools through ICT (MHRD, Govt. of INDIA) *NITTTR, Chandigarh*

Attended the course *6-10 February 2017*

- Learnt about the recent threats and trends in Cyber Security.
- Used some forensic tools

Ref**rences**

Prof. Sandeep K. Shukla *Indian Institute of Technology, Kanpur*

Professor and Department Head, Computer Science and Engineering

- URL: https://www.cse.iitk.ac.in/users/sandeeps/
- Project Investigator at IIT Kanpur.

Dr. C. Rama Krishna *NITTTR, Chandigarh*

Professor, Computer Science and Engineering

- URL:http://www.nitttrchd.ac.in/sitenew1/comp_sc/profile.php
- Supervisor for my M.E. research.