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## CAREER OBJECTIVE

To pursue research in Computer Science in order to create a sustainable and secure ecosystem based on technology.

## Professional Skills

- SIEM Administration, Implementation and Design using HPE Arcsight
- Web Scraping and Automation using Python
- Malware Detection and Primary Analysis with tools like x64Dbg, CEF Explorer, Regshot etc.
- Research and Development of Advisory Reports along with periodic assessment updates
- Java and Database Management Systems using SQL.
- Web Technologies including HTML, CSS, JavaScript, PHP, JQuery.
- Also trained in Big Data Analytics with Hadoop and Map Reduce and interested in Blockchain technologies.

## Professional Experience

**PricewaterhouseCoopers Private Limited (PwC)**           **August 2016 To Present**
**Consultant, Cyber Security**                                      **(April 2018 to Present)**
**Senior Analyst, Cyber Security**                            **(August 2016 to March 2018)**

Responsibilities:

- Working in **Managed Security Services (MSS**) projects for banking, pharmaceutical and mining clients, focussing on detection and analysis of different security incidents related to firewalls, antivirus, servers, along with availability monitoring and anti-virus and patch compliance monitoring.

- Working successfully as a Security Information and Event Management (**SIEM) Administrator** (HPE ArcSight) , responsible for maintaining client's SIEM appliance by ensuring that all SIEM deployment devices are working properly, efficiently and with desired performance.

- Responsible for **device integration** with SIEM for different clients during the on-boarding process along with the creation of different use cases, filters, dashboards etc.

- Completed a project to set up incident monitoring lifecycle using **RSA Archer SecOps** module and provided training to other analysts in order to provide complete incident management through this tool.

- Completed a project to set up **malware analysis lab**, provisioned to focus on malware detection, analysis and to provide first response to malware outbreaks. Proficient in tools like OllyDbg, x64Dbg, CEF Explorer, PEid, Strings64, Regshot, Trid32 etc.

- Worked on the development and management of the proprietary **Global Threat Intelligence Platform** of the employer firm and working on the deployment of Honeypot servers and baits in the network.

- Successfully implemented the **Malware Information Sharing Platform (MISP)** in the network in order to gather malware and other threat information from the massive open threat sharing community.

- Completed a project to implement a **visualisation dashboard** for client management stakeholders, using SQL for data processing and other Web Technologies for front-end.

**Analyse Technology Solutions**                                    **June 2015 To July 2015**
**Intern**
Responsibilities:

- Completed an Internship Project on analysing Twitter Datasets, including **hashtags analysis** and **sentiment analysis,** using Map Reduce (**Java**), titled "Sentiment Analysis And Related Big Data Analyses on Huge Datasets of Tweets on Celebrities".

## Academic Projects & Others

- Completed a project to create a realtime online chatting service using **web technologies** including PHP, Javascript, AJAX, Bootstrap framework, JQuery, HTML, CSS etc. in 5th semester.

- Successfully completed a project to automatically scrap data from a website using **Selenium** framework (Python) and collate the data to extract meaningful analysis in 7th semester.

- Completed a project to fetch data from online flight booking services and send SMS to user using Python and **Twilio API.**

- Designed, created and implemented the **website** for an entrance exam preparation startup as a freelance individual using HTML, CSS, Javascript during 8th semester.

- Completed a project to design the algorithm and electronic circuit of a Quiz Buzzer for the paper Analog & Digital Electronics (CS-391) in 3rd semester.

- Completed a project to prepare a departmental time-table for the paper Data Structure & Algorithm(CS-392) in 3rd semester.

- Prepared and submitted the plan and design for an **e-commerce website** on garments and apparels for the paper E-Commerce (IT-793A) in 7th semester.

## Teaching Experience

- Conducted a workshop on Introductory Python on 15th October, 2015 to an audience of **over 200 students**, hosted by IEM Computer Society.

- Conducted a **2-day training workshop** on Introductory Python on 26 and 27th February, 2016 to an audience of 125+ students, at University of Engineering & Management (UEM), Kolkata.

- Imparted training on primary malware analysis to a team of 20 delegates at PwC Kolkata.

- Provided training on a third party Anti-Phishing and Brand Monitoring solution iZoologic to a team of 30 members, across various offices of PwC Private Limited, India.

- Conducted **training and awareness session** on Anti-Phishing and Spear Phishing techniques for a selected group of high risk employees of a client.

- Hosted multiple sessions on **organisation-wide online trainings** on various cyber security concepts like CIA triad, firewalls, SIEM etc.

- Provided tutoring and counselling services for 2 years to a secondary school student on basic sciences and mathematics during 2014-15.

## Education, Certification & Awards

- Completed B.Tech in Information Technology from Institute Of Engineering & Management 2016 with **DGPA 9.13**

- Certified as HPE ArcSight Admin Analyst 6.11 and in HPE User Behaviour Analytics (**UBA**)

- Completed a specialisation course with New York University Tandon School of Engineering (**Coursera**) titled 'Introduction to Cyber Security" and pursuing a specialisation on Blockchain technologies from the State University of New York, Buffalo, also offered by Coursera.

- Completed a course "Introduction to Linux" (LFS101x) by **Linux Foundation** on edX .

- Awarded **Gold medal** from TCS for overall performance in both studies and co-curricular activities in the year 2016.

- Received **A.P.J. Abdul Kalam Techno-Wiz** award for excellent contribution to the annual college technical fest Innovación 2015.

- Co-authored a research paper titled "Network Intrusion Detection using Snort", accepted for oral presentation at IEEE UEMCON 2016 (#157029209)