**Urmil Kashyap**

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**SUMMARY**

Self-motivated and hardworking fresher seeking for an opportunity to work in a challenging environment to prove my coding skills and utilize my knowledge of various databases in the growth of the organization.

**ACADEMIC DETAILS**

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| --- | --- | --- | --- | --- | --- |
| **S. No** | **Course** | **Board/University** | **College/Institution** | **Year** | **%** |
| 1. | B.E(CSE) | HPTU | LRIET SOLAN | 2018 | 75 |
| 2. | XII CLASS | HP BOARD | GSSS BALDEYAN | 2013 | 72 |
| 3. | X CLASS | HP BOARD | GSSS DURGAPUR | 2011 | 75 |

**SKILLS**

**Tools** - MS Word, MS Excel

**Databases** - Mysql, Postgresql

**Programming Languages** - Python, Javascript

**Operating System** - Windows, Linux, Mac OS

**TECHNICAL**

* I have done 1 month training in **“ Networking”** from **APPIN** Chandigarh.

I have done 6 month diploma from byte code cyber security Bangalore in **DIS.**

* I am pursuing **data science** course from **Simplilearn.**

**TECHNICAL KNOWLEDGE**

**CEH AND COUNTERMEASURES:**

* **Footprinting and Reconnaissance**: Nmap. Zenmap and footprinting through search engines, website footprinting through Zap proxy, website informer and Firebug.
* **Vulnerability Assessment Tools**: Nessus, Acunetix, Retina ,Open VAS.
* **Data Security**:-Cryptography, Stegnography, backup and recovery.
* **Web Application**: OWASP TOP 10, burpsuite, OWASP Zap proxy.
* **Web Security**: Anonymous surfing, TOR, Proxy chains, DDOS attack.
* **Operating system**: Kali linux, Window(7,10),Backtrack.
* **Penetration testing tool**: Metasploit Framework, Morpheus, SQLMAP,Beef.

**INDEPTH NETWORKING**

* OSI/TCP MODEL.
* Routing, Routing protocol (RIP, RIP2, IGRP, EIGRP, OSPF).
* Switching – vlan (configuration of vlan).

Trunking- two types – access link or trunk link

Vlan frame tagging- ISL or IEEE 802.Q

Intervlan routing using separate sub interfaces, router on a stick and multi layer switching.

* ACL (access control list)- setting the rules by standard or extended acl and configure the ACL.
* VPN(virtual private network)-make encrypted connection .

Technologies used in VPN- IPsec, GRE, DMVPN

**MACHINE LEARNING**

* Supervised Learning – Regression and classification

Linear regression – it is used for continuous variables.It is regression algorithm.

Logistic regression – it is used for categorical variables.It is classification algorithm.

KNN(k nearest neighbour)- It is used for classification problem.e.g.- email is spam or not.

SVM(support vector machine) – It is used for both classification and regression problems.

Decision trees – It is also used for both classification and regression problems.

Random forest- It is a classifier that contains number of decision trees on various subset of given datasets and takes the average to improve the predictive accuracy of that dataset.It is a concept of ensemble learning where we combine all the classifier to get better accuracy.

* Unsupervised Learning – Clustering and association

Clustering - The method of dividing the objects into clusters which are similar between them and are dissimilar to the objects belonging to another cluster.

Types of clustering- Hierarchical and partial

* Hierarchical clustering- It separate data into different groups based on some measure of similarity.

Two types of Hierarchical clustering – Agglomerative and Divisive

1. Agglomerative – It is a bottom- up approach It begins with each element as a separate cluster and merge them into large clusters.
2. Divisive clustering – It begins with the whole set and proceeds to divide it smaller clusters It is a top- down approach.

* Partial clustering – It divides the data points into a number of specific batches or groups such that the data points in the same groups have similar properties and data points in different groups have different properties in some sense.

Types of partial clustering - K- means and C-means

K-means - This algorithm will categorize the items into k groups of similarity. To calculate that similarity we will use the Euclidean distance as measurement. To find the value of k we use elbow method.

* PCA(principal component analysis) – It is a dimensionality reduction technique.
* Time series analysis – ARIMA model
* Deep learning algorithms – RNN, CNN, RBM, Deep belief network, etc.
* Libraries used :Numpy, pandas, matplotlib, sklearn, Tensorflow, Keras.

**PROJECT WORK**

MITM ATTACK

**Tools Used: -**Morpheus, Foremost, EaseUS Wizard, Metasploit.

Operating System Used:-Kali linux,window 7,window 10.

**Project Summary:** In this Project I worked on exploiting web Sites using different methods on vulnerable websites. I spoof the victims on LAN to my fake page and know victims credentials. I also create a clone of a website, redirecting the traffic to google sphear , session hijacking.

Also done data recovery through free open-source EaseUS Wizard in windows operating system.

**VOICE ASSISTANT IN PYTHON**

* **Project summary**: Iwrite a script for Personal Voice Assistant using Python. The query for the assistant can be manipulated as per the user’s need. The implemented assistant can open up the application (if it’s installed in the system), search Google, Wikipedia and YouTube about the query, calculate any mathematical question, etc by just giving the **voice command**. We can process the data as per the need or can add the functionality, depends upon how we code things. I used **Google speech recognition API** and google text to speech for voice input and output respectively. Also, for calculating mathematical expression **WolframAlpha API** can be used.  
  **Playsound Package** is used to play the saved mp3 sound from the system.
* **Library used: gTTS, speech\_recognition, selenium, wolfframalpha, playsound, pyaudio.**

**ACHIEVEMENTS**

I got award in cricket.

**STRENGHTS**

* Positive attitude
* Punctual
* Helping nature

**HOBBIES**

* Cricket
* Internet Browsing
* Travelling

**PERSONAL DETAIL**

Father’s name- Sh. Brij Mohan

Mother’s name- Smt. Kaushalya

Date of birth-15/06/1996

Marital status- Single

Address- # Vill-Jakhlayana,P.O.- Durgapur, Distt/Teh- Shimla(H.P.)