

POOJA VIKRAM AVHAD

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OBJECTIVE

I am an enthusiastic fresher with highly motivated and leadership skills, having bachelor of engineering degree in Information Technology, and Master's degree in Computer Engineering with specialization in Information Security. I wish to obtain a creative and challenging position in an organization that gives me an opportunity for self improvement and leadership, while contributing to the symbolic growth of the organization with my technical, innovative and logical skills.

PROFILE SYNOPSIS

- ✦ Eager to learn new technologies and methodologies.
- ✦ Worked on data extraction and cleaning of data from twitter profiles.
- ✦ Always willing to innovate new things which can improve the existing technology

ACADEMIC DETAILS

Qualification	Percentage/CGPA	Institute
M.Tech (Information Security)	7.43	College of Engineering, Pune
BE (Aggr) (Information Technology)	55.28%	Smt. Kashibai Navale College of Engineering, Pune
HSC	68.67%	Raibahadur Narayanrao Borawke College, Shrirampur
SSC	79.53%	Dahanukar English Medium School, Tilaknagar

TECHNICAL SKILLS

- ✦ Programming Language : C, Python, Java
- ✦ Database : MYSQL, Apache Server, MongoDB
- ✦ Frameworks : Pandas, Numpy, Scipy, Sklearn, Matplotlib, Tweepy, Pymongo
- ✦ Scripting Languages : HTML, CSS, Java Script, JQuery
- ✦ Softwares and IDE : Microsoft Visual Studio 8, PyCharm, Eclipse, Netbeans 7.3, Sublime Text
- ✦ Operating System : Windows family, Unix / Linux
- ✦ Working Experience on Wireshark, Switch Blade, Burp Suite, WebGoat, Mininet .

ACADEMIC PROJECT

▪ M.TECH. WORK:

- 1) **Title:** Sybil Attack Detection in Online Social Network Using Deep Learning Model

Description: In computer security Sybil Attack is an attack wherein a reputation system is disrupted by falsifying identities in peer-to-peer networks. Due to huge number of data in online social networks there has been increased in Sybil attacks. Also the traditional methods lack in prediction while dealing with this huge amount of data, thus deep learning model has been used. Here, the existing deep learning model is re-formulated to attain maximum accuracy for noisy and unclean data.

IDE: PyCharm

Database: MongoDB

Programming Language: Python

- 2) **Title:** Slowloris Attack Detection in Single System Environment.

Description: The slowloris attack is performed using switchblade tool and the attack packets are analysed using wireshark tool. Rule based detection is done for the attack detection.

- **IDE:** Eclipse
- **Server:** Apache Tomcat Server
- **Programming Language:** Python
- **Software:** Wireshark, Switch Blade

- 3) **Title:** Detection and Prevention of Cross Site Scripting Attack (XSS) on Vulnerable Website.

Description: The Cross Site Scripting attack is performed on the WebGoat web application and the intermediate packets are captured using the Burp suite tool. Rule based algorithm is applied for the detection of the attack.

- **IDE:** Eclipse
- **Web Application:** WebGoat
- **Programming Language:** JavaScript, Java

- **Software:** Wireshark, Burp suite

▪ **B.E./B.TECH (PROJECT WORK):**

- 1) **Title :** Two level controller hierarchy in Software Defined Networks(SDN)
Description: Controller communication with the network and modular demonstration of the working of Software Defined Networks as compare to the traditional networks.
 - **IDE:** Eclipse
 - **Programming Language:** Java and Python
 - **Emulator:** Mininet
 - **Software:** VMware, Wireshark
- 2) **Title :** Online Railway Reservation
Description: Online railway ticket reservation through java application.
 - **IDE:** Netbeans 7.3
 - **Database:** MySQL
 - **Webserver:** Apache Tomcat
 - **Programming Language:** Java, Java Script and HTML
- 3) **Title :** Ammunition Management System
Description: Purchase and booking of ammunitions based on the identity and valid arms holding proof. Also servicing of the ammunitions according to the purchase history.
 - **IDE:** Visual Studio 8
 - **Database:** MySQL
 - **Programming Language:** VB.net

EXTRA CURRICULAR ACHIEVEMENTS/ ACTIVITIES

- ✦ Council member of Information & Cyber Security Research Group (ICSRG) at CoEP(2017-2018).
- ✦ Organizer for One Week Short Term Training Program on Network System Administration and Security (NSAS) held at CoEP.
- ✦ Volunteer in CAST 2016 (IEEE conference on Computing, Analytics & Security Trends) organized at CoEP.
- ✦ Designer for fashion show in karandak (2012-2013 && 2013-2014)

HOBBIES

- ✦ Sketching & Designing
- ✦ Reading Books ✦ Badminton & volleyball
- ✦ Gardening and Cleaning.

STRENGTH

- ✦ Good presentation skills.
- ✦ Comprehensive problem solving abilities.
- ✦ Excellent verbal and written communication skills.
- ✦ Good team player.
- ✦ Flexible enough to learn new things at a good pace.

DECLARATION

I hereby declare that all the information's given above are true to the best of my knowledge.

DATE: 01.02.2021

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PLACE: Pune