



APSIT SKILLS INTERNSHIP

PROJECT REPORT

BE COMPUTER

Project Batch : B1

Team Leader - Mihir Joshi

Member - Hiten Bhatia

Technology Selected : Python

Project Topic Name : Port Scanner

Problem statement :

To find out redundant ports on a given host/server in order to mitigate an attack and identify network services running on a host.

Detailed Workflow :

- We are using Sockets, Time and Thread libraries in python
- We will implement python socket programming to scan the ports that are active on the given host.
- We will use a loop to scan the active ports on the host for the specified port range given by the user.
- If a user enters an URL we automatically convert it to its respective IP address.



- There are 2 scanning modes Simple and Comprehensive,
Simple Mode(1024 Ports), Comprehensive Mode(64000 Ports).

GitHub / Drive link of project code:

<https://github.com/mihir-mj/PortScanner>

Output Screenshots :

```
Windows PowerShell
PS C:\Users\mihir\Desktop> python3 .\port.py

Welcome To Port Scanner!!

Enter IP Address or URL :github.com
-----
Port Scanner By Mihir & Hiten
-----

Select Scanning Mode :

1. Simple (1-1024 Ports)
2. Comprehensive (1-64000 Ports)
1

Simple Scan Selected

Scan Details :

Range: 1 - 1024 Ports
Target: 13.234.210.38

Scanning Open Ports on 13.234.210.38

Port      Status  Service
-----
22        OPEN   ssh
80        OPEN   http
443       OPEN   https

PS C:\Users\mihir\Desktop>
```



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Acknowledgment :

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