

Omer Rastgar

Network Security Engineer | ICS Security Engineer



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<https://github.com/OmerRastgar>



Building a security and privacy centric community.

Experience



Telecommunication Research fellow

[Habib University](#)

Jun 2022 - Aug 2022 (3 months)

- Designed labs for a 400 level course.
- Worked on SDR (Hack rf and RTL) and GNU radio
- Employed Bash and python scripts to automate Linux processes



Technician

[Air Audit \(Pvt\) Ltd](#)

Jun 2019 - Aug 2019 (3 months)

- Worked with Ultrasonic detector to identify leaks in pneumatic System.
- My client base for services includes prominent companies such as Amreli Steels, FAP Marine, Feroze Textile and 3M.
- Understanding and working with large industrial systems.

Projects

- **Vulnerability testing in LTE network**
 - ❖ Using a NS3 network simulator
 - ❖ Simulating cyber attacks
- **VM home lab**
 - ❖ Using GNS3, VMware, Docker
 - ❖ Digital ocean and Oracle VM
- **OpenVPN server & pfSense**
 - ❖ Exploring different security tools
- **OpenSSL verification**
 - ❖ Working on AES and ECDH
- **ANN forecasting to reduce bullwhip**
 - ❖ Project for Supply Chain MGNT

Education



Habib University

Bachelor of Science - BS, Electrical Engineering
May 2019 - May 2023



St. Patrick's High School, Karachi

A-levels, Science
May 2018 - May 2019

Certifications



[Cisco Certified Network Associate](#) (In progress)



[Control system design](#)



[Google analytics for beginners](#)



[Third party risk management](#)



[Implementing the Nist Risk Management Framework](#)



[Wireshark: Malware and Forensics](#)



[Ethical Hacking: The complete Malware Analysis Process](#)

Skills

Python
C++.....
JavaScript.....
Verilog.....
Bash
Linux.....
TCP/IP.....
Microsoft office.....

Cisco Products.....
Virtualization.....
VPN.....
Cloud computing.....
IOT.....
Software define networks.....
Technical support.....
Network monitoring.....

Tools: Wireshark, Nmap, Shodan, BEEF, Burp Suit, Ghidra, PE studio, VMware, Putty, GNU products, Nginx, pfSense, Ignition, Node Red, NS-3, GNS3, Docker, Codesys, Matlab, Xilinx vivado, Sketch up, Solid edge.

* Adaptability * Project management * Problem – solving * Team work * Creativity * Work ethic