Omer Rastgar

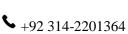
Network Security Engineer | ICS Security Engineer



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https://www.linkedin.com/in/omer-rastgar/





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



Mabib 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

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mplementing the Nist Risk Management Framework



in Wireshark: Malware and Forensics



in Ethical Hacking: The complete Malware Analysis **Process**

Skills

Python	Cisco Products
C++	
JavaScript	
Verilog	Cloud computing
Bash	IOT
Linux	Software define networks
TCP/IP	Technical support
Microsoft office	**

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