Ashar Khalil

Cyber Security Analyst

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PROFILE

Ashar is a Final Year Cyber Security student at FAST NUCES. With a passion for digital forensics, malware analysis, and Secure Software Development, he is striving to be an expert in this field.

He has experience in forensics, OSINT, and penetration testing projects. He holds a Google IT Automation Professional certification and has done online Cyber Security Specialization from the University of Maryland. He is keen to apply his skills in real-life Cyber Security projects.
Consequently, he is proactively looking for job/internship opportunities.

PROFESSIONAL EXPERIENCE

GREEN INT   present
CEO
Founded first ever Pakistan based company that provides OSINT, SOCMINT, GEOINT and IMINIT services.

CYBERSPACE LEGION

Red Team Trainer   2022 – present
Delivered sessions and workshops on the reconnaissance of penetration targets. I transferred my knowledge of OSINT to juniors at CSL.

Red Team Member   2021 – 2022
A university society for accelerated learning and solutions to real-world Cyber Security projects. I participated in CTFs, Cyber Hackathons, and training sessions.

EDUCATION

BS Cyber Security   2020 – present
FAST NUCES Islamabad

IT Automation Professional   2022 – 2023
Google

Cyber Security Specialization   2020 – 2023
University of MaryLand

CERTIFICATES

CRYPTOGRAPHY	**HARDWARE SECURITY**	**SOFTWARE SECURITY**	**USABLE SECURITY**
University of Maryland	University Of Maryland	University Of Maryland	University of Maryland
Fortinet NSE 1-2-3	**Python and OS**	**Python (Cyber security)**	**OSINT**
Fortinet	Google	INFOSEC	Bazel Institute

SKILLS

C/C++ ● Python ● NETWORKING ● OSINT ● REACT JS ● Firebase ● Autopsy ● Belkasoft ● SQL

PROJECTS

Cyber Security
- Packet Sniffer.
    An advanced packet sniffer using combinations of Scapy and Wireshark.
- Biometric Hacking.
    A proof of concept application that shows how fingerprint sensors can be hacked by providing datasets.
- Secure Chat Application.
- Blockchain Implementation in GOLANG.
    I am currently doing 5 cyber security projects.

Cryptography
- Identity-Based Cryptographic System.
- RSA and AES (c2c chat App).
- Trivium Stream Cipher.
- AES Implementation.
- Classical Ciphers implementation(C++).

Digital Forensics
- Implemented a Trojan Horse and detected its hidden activity from memory forensics using Autopsy, FTK, and Belkasoft.
- I recovered data from the damaged sectors of my 10-year-old hard drive.

OSINT
- **GreenINT**
  Python tool for OSINT on Pakistan-based websites that generates a HUMINT report on individuals.
  Currently Working on it to make it the biggest OSINT tool in Pakistan.
- **khoji**
  OSINT tool to download all the previous bitmojis of any Snapchat user.
- **GeoINT (Twitter)**
  Contributed to geolocation tasks of IAF bases and activities.
- **Geo Guesser Clone for Pakistan.**
  Developed a website and community for Geo location challenges related to Pakistan only,
- **Case Studies**
  I provided Pakistani OSINT case studies/challenges for students on different platforms.

Programming
- COURIER MANAGEMENT SYSTEM
  A CMS made with REACT-JS and firebase.
- Huffman-file-Compression
  Data Structures Final Project.
- Sorting Visualizer App
  10 sorting algorithms visualization using Pygame.
- Candy Crush
  Assembly Language (x86).
- Hospital Management System
  SQL database with frontend in C#.
- Robot Car
  A robot car with instructions written in Arduino.

Computer Networks
- A big network topology using all routing algorithms. OSPF, RIP, EIGRP, etc.
- Implemented tunnel and transport mode VPNs.
- Implemented Backdoors in Windows for persistence using sockets.