
EDUCATION

New Cairo Academy – Faculty of Computer Science

2021 – Present

PROJECTS

- **AS207740 network** - <https://www.as207740.net/>
 - The first individual ASN in Egypt, launched in December 2019.
 - Network capacity is over 7 Gbit/s with Tier 1 Upstreams.
 - Directly Connected with leading companies such as Hurricane Electric, Cloudflare, and others via BGP.
 - Routed my own IPs to home by using MikroTik for PPPoE authentication, tunneling and establishing BGP.
- **Pyramids Internet Exchange** - <https://pyramix.as207740.net/>
 - The first tunnel-based internet exchange to be made by an individual Egyptian citizen.
 - Reached a peak with 60 active members exchanging traffic and 200 GB of traffic exchanged per month.
- **Web Hosting and Domains Projects** - <https://www.amir.ovh/>
 - I have experience with various shared hosting control panels, including cPanel, Plesk, DirectAdmin, etc.
 - I have experience in registering and managing domain names and DNS.
 - I am an accredited registrar for the Finnish .fi domain zone since 2020.

TECHNICAL EXPERIENCE

- **Cybersecurity, Websites Security and Secure Socket Layer (SSL)**
 - I have been protecting my websites against attacks such as DDoS using WAF.
 - I have experience with SSL certificates and issuing them with strong encryption such as RSA and ECC.
 - I acquired multiple certificates in Cybersecurity, including Malware Analysis, MITRE ATT&CK, and others.
- **Self-hosted Projects**
 - I hosted and setup a server at home to serve as a testing environment and for virtual machines.
 - I hosted multiple websites on my own network using the NGINX web server and PHP-FPM, and provided them with CDN service to optimize content delivery.
 - I hosted [my personal blog](#) online using serverless technology.
 - I hosted a [RIPE Atlas Probe](#) to help the NOCs in performing network tests for improved internet performance.
- **Raspberry Pi and Linux**
 - I hosted a Raspberry Pi at home and installed open-source software like SmokePing to monitor my network.
 - Set up VPN servers with many protocols such as OpenVPN, WireGuard and SSTP to encrypt traffic.
- **Operating Systems**
 - I have experience with Windows Server, including its configuration and troubleshooting, and Active Directory.
 - I have been using Linux since 2013 and have experience with various Linux distributions, including and not limited to Ubuntu, Debian, Kali Linux, RHEL and CentOS.
 - I have some experience with using MacOS. I mainly used it for testing, and experimental purposes.
- **DevOps**
 - I have experience with various cloud providers including AWS, GCP, Azure, DigitalOcean, Linode, and others.
 - I have experience with virtualization technologies, such as VMware, VirtualBox, Docker and Kubernetes.
- **Customer Support**
 - I am a skilled customer support agent with experience in resolving issues in a timely and efficient manner.
- **Content Creation**
 - I have filmed, edited, and produced videos on multiple topics, including voice-overs, and creating montages.

SKILLS

- Networking, TCP/IP, IPv6, BGP, Routing, Peering, Hosting, SSL, SSH, DNS, VPN, IoT, Windows Server, Linux, MacOS, VMware, Docker, Git, Hardware, Visual Basic, Python, Cybersecurity, Pentesting, Malware Analysis, MITRE, OSCP.