

## EDUCATION

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- University of Georgia** Athens GA, USA  
Ph.D Student in Computer Science Fall 2022–Now  
– Thesis: “...Fall 2024”
- Iran University of Science and Technology** Tehran, IRAN  
M.S. in Information Technology 2011–2015  
– Thesis: “A New Method to estimate QoE for Internet Users”
- Shiraz University of Technology** Shiraz, IRAN  
B.S. in Information Technology 2006–2010  
– Thesis: “-Not Applicable-”

## PROFESSIONS

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- Parspack Cloud Services** TEH, IRAN  
Linux Expert 2021-2022  
– Parspack is a famous Company in Tehran which provides cloud Hosting and VPS Services. I had been working as a linux expert there and my duty was to fix users’ issues with servers and hosts.
- Monenco Industry Group** TEH, IRAN  
Consultant 2020-2022  
– Monenco is an international consulting company having branches in IRAN and Canada. I had been working as an IT consultant in a project for the electricity power company. The project focused on providing red-line VOIP system to connect more than 200 branches of the electricity company by a VoIP system.
- HamyarNet ISP** SHZ, IRAN  
Technical Manager 2017-2020  
– HamyarNet is a private Company in Fars Province which provides Internet Services like ADSL and P2P wireless. I was the head of technical sector and my team’s duty was extending and maintaining HamyarNet local Internet services.
- Azmoon Keyfiat** SHZ, IRAN  
Researcher 2014-2017  
– Azmoon Keyfiat is a private Company in IRAN which has won the Service Outsourcing tender to inspect Internet users’ satisfaction levels. I worked with them and deployed my Master’s thesis to evaluate Internet subscribers’ satisfaction. I used a probe on a raspberry pi device and collected information from their Internet link by sniffing packets. I have been helping complainants follow up on their issues from their ISPs at the CRA while ranking ISPs based on their End users’ satisfaction level. - CRA is the cooperater of the International Telecommunications Union in IRAN
- Kavosh Company** SHZ, IRAN  
Technical Manager 2011-2014  
– Kavosh Co. is a third party representative of Sabanet ISP in Fars province. I was in charge of handling technical issues for the corporate, and managing a technical team to extend and maintain SabaNet ISP in Fars Province
- SabaNet ISP** SHZ, IRAN  
Technical Manager branch 2009-2011  
– SabaNet is a Private company which provides Internet Services throughout the country. It’s agent in shiraz was active from Dec2009 to May2011, and I had been there in charge of managing a technical team to configure and maintain devices to provide ADSL Internet to residents of Shiraz

## TEACHING AND ACADEMIC EXPERIENCES

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<b>Santa Clara University</b> PC Member at MSST 2020 Conference	California, USA Summer 2020
– Reviewing conference papers in 36th International Conference on Massive Storage Systems and Technology (MSST 2020) under the supervision of Prof. Darrell Long (Research Track Program Chair from Santa Clara University(UCSC), California)	
<b>Navid Educational Group</b> Lecturer at Network Department	Shiraz, IRI 2014-18
– Network+, CCNA, Linux Essentials	
<b>Apadana higher Education Institute</b> Lecturer at Computer Engineering department	Shiraz, IRI 2017
– Computer Networks	
<b>Pasargad higher Education Institute</b> Lecturer at Computer Science department	Shiraz, IRI 2014
– Computer Networks	
<b>Shiraz University of Technology</b> Teacher Assistant at Information Technology department	Shiraz, IRI 2007-8
– Computer Networks Lab Instructor	

## SKILLS

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- **Programming and Scripting Languages:** Python, Bash, php, HTML CSS Wordpress, C
- **Data Mining:** Weka, Python
- **Leadership and mentoring**
- **Troubleshooting and problem solving**

## QUALIFICATIONS

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- Expert in Linux shell and Automation with bash scripting
- Deep understanding of network fundamentals and troubleshooting (tcp dum, wireshark, scapy)
- Hands-on experience with ARM and embedded Linux
- Expert in mib and script based monitoring – Mikrotik dude, cacti, solarwinds, zabbix
- Experienced in Teaching, company Strategy Planning, Problem Solving, Team leadership
- Good knowledge and experience in Cisco, Huawei, and Mikrotik networking, Microsoft and Linux network Services such as DNS, DHCP, NAT, FTP, SSH, NTP, HTTP, HTTPS, iptables, Routing, traffic shaping, PPP services; VOIP, ADSL and Wireless Internet Service Providing, AAA and RAS Configurations, Test network by Fluke devices
- Experienced in network monitoring software, log servers, net-flow traffic analyzers
- Good experience in Data Center skills: VMware VCenter, HP servers, FC networks and EMC SAN Storage
- Good understanding of HTML, CSS, JavaScript, PHP, Python, C, C-shar

## CERTIFICATES AND TRAINING

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- CCNP - Route and Switch  
Issued 2012 – Iran industrial management institute
- MCITP  
Issued 2012 – Iran industrial management institute
- Cyber Security  
Issued Dec 2019
- Virtualization (VMware VCenter)  
Issued 2015 – Communications Regulatory Authority

### Self Study

Courses:

- Python
- LPIC I and II - (Linux)
- MTCNA ,MTCRE ,MTCWE - (Mikrotik)
- php, Wordpress, HTML, CSS
- C
- Bash Scripting and Automation
- Raspberry pi and ARM boards configuration

## AWARDS

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- Best Supporter and Advisor Token of Appreciation from the Kavosh 2016
- Outstanding Network Expert Token of Appreciation from the Sabanet Internet Services 2013
- Third Rank Token of Appreciation from the Shiraz University of Tech 2007

## LANGUAGES

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- **English:** Fluent
  - Duolingo: 135
  - IELTS: 7.0
- **Arabic:** Intermediate
- **Farsi:** Native Speaker

## INTERESTS

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- **Data Science:** I am interested in working with data and using ML algorithms to analyze them.
- **IOT:** I enjoy working with ARM Platform and sensors.

## DATA ANALYSIS PROJECTS (LINUX, RASPBERRY PI, PYTHON)

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- JIBBIK (Bandwidth Policy Manager, 2014-2016)
  - Internet uplinks aggregation and sharing
- PUZZLE (QoE Assessment, 2014-2018)
  - Measuring the ISPs' Quality of Experience

This project was developed by Linux bash, php and python providing a “**Shared-Internet Manager**” for home or companies to control their Internet usage and quality of service by a small device that could be installed at the gateway. (Netem, network manager, rrdtools, l2tpd, iptables, squid, bind9, apache, dhcpd) were some of the Linux services I used in detail in this project. This device could “**aggregate**” up to 16 Internet uplinks and share them between clients based on metrics defined by the administrator in the device management web-console based on a time schedule, traffic volume, and speed. User authentication was by mac address salted with computer name, and there was no need for the user to enter a username or password to login to access their Internet share. This feature made the device transparent to end users. Users' activity was distinguished by ARP table and access would be granted or reported to admin for setting permissions. JIBBIK had handful of options, including weighted load balancing, uplink failover support, traffic measurement for uplinks and clients, priority queening and graphical report of user's bandwidth, traffic, and online status history, user's most visited websites, website filtering, port forwarding, VPN service. It also provided some security features like unauthorized Internet access black-hole, anti-worm and malware based on DNS analysis, Firewall features, ... .You can see a picture of the device bellow which is produced and sold in the market of IRAN in 2016.

Puzzle is a sensor-based, quality-monitoring system consisting of several sensors (raspberry pi computers with Linux software) and a server. Sensors were installed in ISPs' different parts of the network, monitoring Internet quality, based on a list of evaluating parameters. Collected results were sent to a server, and data was processing on it. Eventually, a report was generated about the quality of the Internet provided by an ISP in different parts of the network, which could be compared with other ISPs. This device was used by the Communications Regulatory Authority for monitoring ISPs' Qualities of Experience(QoE) in a pilot project. (The letter of appreciation from CRA for this project is available)

