Shayan Amir Shahkarami

Curriculum Vitae
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Educational Background

B.Sc., Computer Engineering, Information Technology **(2024-2020)**

University of Tehran Central

- Final Project: Web Crawling toolkit for reconning web applications

- Advised by: Dr. Afzali

- GPA: 3.3 (16.63/20 in Iranian scale)

Specialized High School of Daneshmand **(2017-2020)**

High school diploma in Mathematics and Physics-GPA: 18.51/20

Academic Experience

Teaching Assistant

- Engineering Economics (for undergraduate students), Spring 2023 University of Tehran Central
  Supervised by: Dr. Motevali

Educational Experience

- Introduction to Blockchain Security Fundamentals- University of Tehran Central
  Supervised by: Dr. Shirazipour
  Holding a speech about Distributed systems, how Blockchain Works, and Basic introduction to it's security.

- Introduction to SQL Injection- University of Tehran Central
  Supervised by: Dr. Hosseini
  Holding lecture about SQL injection attack and using sqlmap. Identifying MySQL DB for the attack's initial step.

- Evaluation of Cloud's Infrastructure As a Service (IaaS)- University of Tehran Central
  Supervised by: Dr. Motevali
  Discussing cloud services and giving example of my own job experience in server room. Pros and Cons of IaaS.

- Exploiting Microsoft Excel Macros for Malicious Payload Delivery- University of Tehran Central
  Supervised by: Dr. Zaghari
  Tips on how to create malicious Macros and how to inject them in Excel. Defining how to send to the victims.

Research Interests

- Computer Security and Privacy
- Artificial Intelligence and Machine Learning
- Applied Machine Learning in Cybersecurity
- Data Mining and Analysis

Research Experience

Evaluation of Black-Box Web Application Security Scanners in Detecting XSS Injection Vulnerabilities (Ongoing)

This project aims to comprehensively evaluate the efficacy of commercially available black-box web application scanners in identifying cross-site scripting (XSS) vulnerabilities. By testing a suite of widely adopted tools against a modern, vulnerable web application, we seek to measure the scanners' performance.

Web Crawling toolkit for reconning web applications

There are many tools out there for crawling web applications and fingerprinting them. We have studied the best of them and combined them to have access in one place and accelerate the process. The toolkit is written in bash.

Honors & Awards

- Was awarded for IMC (International Maths Challenge), Ranked 1st in my Elementary school.
- Ranked 26nd among 260 participants in Isfahan university of technology's CTF.

Work Experience

FuzzerCloud — Security Researcher

July 2022 — Present

- System security research, Mostly Black Box scanner tools and web penetration testing.FuzzerCloud

internship program — Introduction to IT Help Desk & User Support

Nov 2022 — Jan 2023

- Turquoise Partners industry wikipedia
- Infrastructure and IT fundamentals. Configuration of Switch

internship program — Introduction to Cybersecurity Tools & Cyber Attacks

Feb 2023 — May 2023

- Working with the firewall dashboard, scanning local network with tools
- Working with BitDefender

Professional Development

- security+ at CanDo academy, Jun 2022, Credential ID 01/43154
- CCNA 200-301 at CanDo academy, March 2023, Credential ID:01/51339
- Certified Ethical Hacker, nooranet academy, November 2022, CID: 20221207-54-SK6436
- Certified Security Professional (CSP), nooranet academy, November 2022, CID: 20221208-69-SG6781
- Red Team Expert, nooranet academy, February 2023, CID: 20230413-22-XD5154

Languages

- TOEFL IBT — Score: 100 — Reading: 29 Listening: 27 Speaking: 19 Writing: 25
- A2 Germany — Passed — Level: B2 class finished in Goethe — score 71/100
- Persian — Native

Educational Course Projects

Calculator with assembly 8086

([Github](#))

Web Application crawler with open-source tools and bash

Vulnerability scanner, written with open source tools and bash script language. ([Github](#))

Skills

Programming languages:

C++, Python, Solidity (learning with JavaScript), Assembly understanding, C

Simulation Software:

Cisco Packet Tracer, Proteus

- Infrastructure Configurations: Switch and Router config
- Docker and Kubernetes
- Working with Firewall dashboard
- Finding bugs and problem-solving

Certificates of Workshops, Events, Memberships

AI For Everyone	Coursera
Research Member of Fuzzer Cloud	(2022-2024)
Developer Member of Fuzzer Cloud	(2022-2023)
Lecturer of Historical Cyber Attacks at Firooze Asia IT-Conference room	(2022)

Educational References

Dr. Mirabedini Javad   jav.mirabedini$_s$hirazan@iauctb.ac.ir
$Professor, Department of Computer Engineering, Rafsanjani Complex$
IAU CTB Islamic Azad University, Tehran, Iran

Academic Accounts

- [Github](#)
- [LinkedIn](#)
- [Website](#)