

EDUCATION

- **University of Science and Technology** Tehran,Iran
Master of Computer Networks in Computer Engineering *Sep. 2020 – Jan. 2022*
Current CGPA: 17.18/20
- **Shahid Bahonar University** Kerman, Iran
Bachelor of Science in Computer Software Engineering *Sep. 2015 – Jan. 2020*
Current CGPA: 17.38/20

RESEARCH INTERESTS

- IoT Security
- Cyber Security
- Malware Analysis
- Symbolic Execution
- Network Security
- Pwn
- Kernel Attacks
- Heap Attacks
- Reverse Engineering
- Penetration Testing

PUBLICATIONS

- Saeid Ghasem Shirazi ,**Ghazaleh Shirvarni**,”*GITCBot: A Novel Approach for the Next Generation of C&C Malware*”, in **2021 26th International Computer Conference, Computer Society of Iran (CSICC)**.[\[IEEE\]](#)
- Saeid Ghasemshirazi , **Ghazaleh Shirvani**, Saeed Raisi ”*MC-GAN: A Reimplementation of GameGAN With a Gaming Perspective*”, in **2021 7th International Conference on Web Research (ICWR)**. [\[IEEE\]](#)
- **Ghazaleh Shirvarni**, Behzad Beigzadeh, Saeid Ghasem Shirazi ”*IoT-Shield: A Novel DDoS Detection Approach for IoT-Based Devices* ”, submitted

EXPERIENCE

- **Shahid Bahonar University** Kerman, Iran
Graduated Research and Teaching Assistant *Sep. 2018 - Present*
 - **Research Assistant - SecurityLab**
Security research, with a focus of Phishing Detection.
 - **Teaching Assistant**
Computer Architecture, B.Sc. Course, Fall 2018.

HONORS

- Ranked 3th in Software Engineering field among all entrants of 2015.
- Ranked 4th in the Department of Computer Engineering among 70 entrants of 2015.

CERTIFICATES

- **ICSI Certified Network Security Specialist (CNSS)**, [icsi.co.uk](#)
- **Endpoint Security Fundamentals**, [elastic.co](#)
- **Foundations of Operationalizing Mitre Attck**, [attackiq.com](#)
- **How to Write and Publish a Research Paper: Complete Guide**, [udemy.com](#)

SKILLS

- **Programming Languages:** Python, X86/64 Assembly, C++, C, SQL, JavaScript, React Native, Flutter, Vhdl
- **Technologies:** Google Cloud Platform, Linux/UNIX, MacOS, IDA Pro, Docker, Windows, Git, Trello, hexedit, Burpsuit, tcpdump, hexdump, Wireshark, pwn, ROPgadget, Crypto, hashlib, libtins, nmap, ptrace, LaTeX, Genymotion

SELECTED PROJECTS

- **Telegram botnet**
- **Phishing Detection Application**
- **Resturant Booking Application**
 - Implemented a simple UI using flutter for phishing detection.
- **Online Food Ordering Application**
 - Implemented a simple UI using flutter for Online Food Ordering
- **Instagram Application**
 - Implemented a simple UI using flutter

SELECTED COURSEWORK

Undergraduate/Graduate Courses

- Machine Learning* (17/20)
- Computer Vision (20/20)
- Digital Systems Designing (17.5/20)
- Fundamentals of Secure Computing (18/20)
- Assembly Programming (17.25/20)
- Fundamentals of Designing Compilers(16.12/20)

* graduate course taken during undergraduate studies.

Self-studied Topics

- Malware Analysis
- Reverse Simple C and Cpp Binaries
- Network Security Specialist
- MITM Attacks
- Stack Smashing
- Heap Exploitation
- Buffer Overflow
- ASLR
- Rop Exploitation
- Shell Scriptting
- ARP Spoofing
- SSH Exploiting
- SSH Server
- Firewalls & IDS
- Mitmproxy Scripttting
- ICMP Tunneling
- Sql Injection
- Sqlmap
- LPIC-1 101 & 102 (Linux Professional Institute Certification)
- Security Penetration Testing

LANGUAGES

- **Persian:** Native
- **English:** Advance Level