

Saeid Ghasemshirazi

<https://saeidshirazi.github.io/>

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EDUCATION

- **Iran University of Science and Technology**

Master of Science in e-Commerce

Current CGPA: 18.37/20

Tehran, Iran

Sep. 2020 – Jan. 2022

- **Shahid Bahonar University**

Bachelor of Science in IT Engineering

Current CGPA: 15.44/20 — Last 1 years GPA : 17.87/20

Kerman, Iran

Sep. 2015 – Jan. 2020

RESEARCH INTERESTS

- Malware analysis
- Risk Analysis
- Exploit development
- IOT
- BOT Detection
- Autonomous Security
- Vulnerability Analysis
- Cloud Security
- Automation
- Web application security
- Mobile Application Security
- Reverse Engineering
- Biotechnology
- Network Security
- Fuzzing

PUBLICATIONS

- Ghazaleh Shirvani, Behzad Beigzadeh, **Saeid Ghasemshirazi** "IoT-Shield: A Novel DDoS Detection Approach for IoT-Based Devices.", in **Submitted to SGC 2021**.
- **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]
- **Saeid Ghasemshirazi**, Ghazaleh Shirvani "GITCBot: A Novel Approach for the Next Generation of C&C Malware.", in **2021 26th International Computer Conference, Computer Society of Iran (CSICC)**. [IEEE]
- Mohammad Amin Langarizadeh, Ardavan Abiri, **Saeid Ghasemshirazi**, Nazanin Foroutan, Arash Khodadadi, Ehsan Faghih-Mirzaei "Phlorotannins as HIV Vpu inhibitors, an in silico virtual screening study of marine natural products.", in **Medical Hypotheses, Elsevier Ltd**. [Biotechnology and Applied Biochemistry, Wiley-Blackwell]
- Mohammad Hassan Moshafi, **Saeid Ghasemshirazi**, Ardavan Abiri "The Art of Suicidal Molecular Seduction for Targeting Drug Resistance.", in **Medical Hypotheses, Elsevier Ltd**. [Elsevier Ltd]
- Milad Bagheri, **Saeid Ghasemshirazi**, Ardavan Abiri. "Eschatological scrutiny of unprofessional usage of molecular docking; how unreliability in computational methods arises from amateurish mistakes.", in **Biocatalysis and Agricultural Biotechnology, Elsevier Ltd**. [Elsevier Ltd]

EXPERIENCE

- **Shahid Bahonar University**

Undergraduate Research and Teaching Assistant

Kerman, Iran

Sep. 2018 - Present

- **Teaching Assistant**

Secure Computer Systems, M.Sc. Course, Fall 2019.

Computer Network Security, B.Sc. Course, Fall 2019.

- **Danesh Nasr Pouya**

Software Engineer

Kerman, Iran

Jul. 2019 - Aug 2020

- Responsible for developing and extending Restfull API using Django and System admin with 2+ years of experience in Health and Safety Executive.

HONORS

- Ranked 1st in IT Engineering field among all entrants of 2015.
- Ranked 3rd in the Department of Computer Engineering among 70 entrants of 2015.

CERTIFICATES

- **Certified Network Security Specialist(CNSS)**, ICSI, International Cybersecurity Insititute.
- **Foundations of Operationalizing MITRE ATT&CK**, AttackIQ.
- **Endpoint Security Fundamentals**, Elastic NV.
- **Autopsy Basics and Hands on**, Basis Technology.
- **Splunk User Behavior Analytics**, splunk.
- **PenTesting**, IT Masters, Charles Sturt University .
- **Security in Google Cloud Platform**, coursera, Google.
- **Machine Learning**, coursera, University of Stanford.
- **Enterprise System Management and Security**, coursera, University of Colorado.
- **Detecting and Mitigating Cyber Threats and Attacks**, coursera, University of Colorado.
- **Software Security**, coursera, University of Maryland.
- **Advanced Penetration Testing**, Cybrary

SKILLS

- **Programming Languages:** Python, C++, C#, SQL, JavaScript, Dart
- **Technologies:** Burp Suite, Wireshark, , Tcpdump, Nmap, Metasploit, Aircrack-ng, Google Cloud Platform, Nessus, Tor, Splunk, Linux/UNIX, Git, Django, Acunetix, SIEM, Kali Linux, Volatility, Docker

SELECTED PROJECTS

- **HSE Report Mobile App**
 - The incident reporting app can be customized for use with all types of security incidents, workplace accidents and illness. When used to report incidents, the app can help staff manage all types of incidents involving employees, visitors to the workplace and members of the community.
- **Sports Booking System**
 - Implement a complete online sports management solution for leagues, tournaments, competitions, running, sport clubs, facility booking, organizations and events. [[Website Link](#)]
- **Ego Tourist Mobile App**
 - In this project I am a backend developer, This software has been designed and built for ease of life as well as travel to the cities and this software is a comprehensive software of what every human need for traveling and staying. This software includes all service centers, tourism, recreation and tourism, stores, agriculture, construction, products and manpower, and has the ability to locate and submit, introduce and offer, apply and demand. [[Cafebazaar Link](#)]
- **Phishing Detection Using Whitelist Approach**
 - Implemented a simple Restful API using Django for phishing detection. [[Github Link](#)]
- **Movie Recommendation System Based On K-Nearest-Neighbors (KNN)**
 - Implemented a Movie Recommendation System Web Application based on KNN using Django. [[Github Link](#)]
- **Arduino Based Encryption and Decryption Module**
 - Design and Implement a simple Encryption and Decryption module with Arduino using the AES algorithm. [[Github Link](#)]

SELECTED COURSEWORK

Undergraduate/Graduate Courses

- | | |
|---|---|
| • Enterprise Application Integration(20/20) | • IT Project Management (18.75/20) |
| • Ecommerce (20/20) | |
| • Internet Engineering(19.5/20) | • Computer Security Fundamentals (18.25/20) |

* graduate course taken during undergraduate studies.

Self-studied Courses

- Pentester Academy: Python for Pentesters
- Pentester Academy: Javascript for Pentesters
- Pentester Academy: WAP Challenges
- SANS: SEC504 (Hacker Techniques Training)
- SANS: SEC542 (Web Application Penetration Testing Training)

LANGUAGES

- **Persian:** Native
- **English:** Advanced level