Saeid Ghasemshirazi

https://saeidshirazi.github.io/

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EDUCATION

- **Iran University of Science and Technology** — Tehran, Iran
  Master of Science in e-Commerce — *Sep. 2020 – Jan. 2022*
  Current CGPA: 18.37/20

- **Shahid Bahonar University** — Kerman, Iran
  Bachelor of Science in IT Engineering — *Sep. 2015 – Jan. 2020*
  Current CGPA: 15.44/20 — Last 1 year GPA : 17.87/20

RESEARCH INTERESTS

- Threat Hunting
- Autonomous Security
- Smart Contract Security
- IoT Security
- Vulnerability Analysis
- Adversarial Attacks

PUBLICATIONS

- Saeid Raisi, **Saeid Ghasemshirazi**, Ghazaleh Shirvani "*UltraLearn:Next-Generation CyberSecurity learning Platform.*", in **2021 12th International Conference on Information and Knowledge Technology (IKT)** [IEEE]

- Ghazaleh Shirvani, **Saeid Ghasemshirazi**, Behzad Beigzadeh "*IoT-Shield: A Novel DDoS Detection Approach for IoT-Based Devices .*", in **2021 11th Smart Grid Conference (SGC)** [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]

- **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

- **Iran University of Science and Technology** — Tehran, Iran
  Graduate Research Assistant — *Sep. 2020 - Present*
  - **Research Assistant**
    Electronic commerce research, with a focus on smart contract security.

- **Shahid Bahonar University** — Kerman, Iran
  Undergraduate Research and Teaching Assistant — *Sep. 2018 - Present*
  - **Teaching Assistant**
    Secure Computer Systems, M.Sc. Course, Fall 2019.
    Computer Network Security, B.Sc. Course, Fall 2019.

- **Danesh Nasr Pouya** — Kerman, Iran
  Software Engineer — *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 cohort 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**, Basis Technology.
- **Splunk User Behavior Analytics**, splunk.
- **Security in Google Cloud Platform**, coursera, Google.
- **Machine Learning**, coursera, University of Stanford.
- **Enterprice 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, Solidity
- **Technologies:** Burp Suite, Wireshark, Tcpdump, Nmap, Metasploit, Aircrack-ng, Google Cloud Platform, Nessus, Splunk, Linux/UNIX, Git, Django, Acunetix, SIEM, Kali Linux, Volatility, Docker

Selected Projects

- **Ego Tourist Mobile App**
  - In this project, I am a back-end developer. This software has been designed and built for ease of life and travel to the cities, and this software is a comprehensive software of what every human needs for traveling and accommodation. This software includes all service centers, tourism, recreation and tourism, stores, agriculture, construction, products, and human resources. It 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**
  - A simple Encryption and Decryption module was Designed and Implemented with Arduino using the AES algorithm. [Github Link]

Selected Coursework

Graduate Courses

- Data Warehousing and Data Mining (18.68/20)
- Comprehensive e-business strategies and plans (19.5/20)
- Re-engineering business processes in e-commerce (19.75/20)
- E-commerce security (18/20)

Undergraduate Courses

- Enterprise Application Integration(20/20)
- Ecommerce (20/20)
- Internet Engineering(19.5/20)
- IT Project Management (18.75/20)

Self-studied Courses

- Pentester Academy: Python for Pentesters
- Pentester Academy: Javascript for Pentesters
- SANS: SEC542 (Web Application Penetration Testing Training)

Languages

- **Persian**: Native
- **English**: Professional working proficiency