

# Saeid Ghasemshirazi

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

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## EDUCATION

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- **Iran University of Science and Technology**

*Master of Science in E-commerce*

*Current CGPA: 18.39/20 or 4/4*

Tehran, Iran

*Sep. 2020 – Present*

- **Shahid Bahonar University**

*Bachelor of Science in IT Engineering*

*CGPA: 15.44/20 or 3.29/4 — Last year's GPA : 17.87/20 or 3.72/4*

Kerman, Iran

*Sep. 2015 – Jan. 2020*

## RESEARCH INTERESTS

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- Threat Hunting
- Intrusion Detection
- Smart Contract Security
- IoT & IIoT Security
- Vulnerability Analysis
- Adversarial Attacks

## PUBLICATIONS

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- Ghazaleh Shirvani, **Saeid Ghasemshirazi**, Mohammad Abdollahi Azgomi "Federated Learning: Attacks, Defenses, Opportunities, and Challenges.", in Computers & Security (to be submitted).
- **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]
- **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]
- Mohammad Ali Alipour, **Saeid Ghasemshirazi**, Ghazaleh Shirvani "Enabling a Zero Trust Architecture in a 5G-enabled Smart Grid.", submitted to Sustainable Cities and Society. [arXiv preprint]
- 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 Raisi, **Saeid Ghasemshirazi**, Ghazaleh Shirvani "UltraLearn: Next-Generation CyberSecurity learning Platform.", in 2021 12th International Conference on Information and Knowledge Technology (IKT) [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

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- **Iran University of Science and Technology**

*Graduate Research Assistant*

Tehran, Iran

*Sep. 2020 - Present*

- **Research Assistant**

Electronic commerce research, with a focus on smart contract security.

- **Danesh Nasr Pouya**

*Software Engineer*

Kerman, Iran

*Jul. 2019 - Sep 2022*

- Responsible for developing and extending Restfull API using Django and System admin with 3+ years of experience in the cybersecurity industry.

- **Shahid Bahonar University**

*Undergraduate Research and Teaching Assistant*

Kerman, Iran

*Sep. 2018 - Jan 2019*

- **Teaching Assistant**

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

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

## HONORS

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- Ranked 3<sup>rd</sup> in E-commerce field among all cohorts of 2020.
- Ranked 2<sup>nd</sup> in IT Engineering field among all cohorts of 2015.

## CERTIFICATES

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- **Python for Cybersecurity Specialization**, Coursera, InfoSec Institute.
- **Certified Network Security Specialist(CNSS)**, ICSI, International Cybersecurity Institute.
- **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.
- **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

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

## SELECTED PROJECTS

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- **Phishing Detection Using Whitelist Approach**
  - Implemented a simple Restful API using Django for phishing detection. [[Github Link](#)]
- **Awesome Smart Contract Security**
  - A curated list of Smart Contract Security materials and resources For Researchers. [[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

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### 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)
- E-commerce (20/20)
- Internet Engineering(19.5/20)
- IT Project Management(18.75/20)

### Self-studied Courses

- SEC554: Blockchain and Smart Contract Security
- Pentester Academy: Python for Pentesters
- SEC542: Web App Penetration Testing and Ethical Hacking

## LANGUAGES

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- **Persian:** Native
- **English:** Proficient
  - TOEFL IBT: will be taken on Nov. 19<sup>th</sup>