

Ahmad Mohammadi

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[EDUCATION]

- **Sharif University of Technology, Tehran, Iran, 2020 – 2023**
M.Sc. in Computer Engineering (Secure Computing), GPA 17.8/20
Supervisor: [Dr. Rasoul Jalili](#)
Thesis Title: Preserving data utility in applying differential privacy on correlated data
- **Amirkabir University of Technology, Tehran, Iran, 2014-2016 / Shiraz University, Shiraz, Iran, 2016 – 2018**
B.Sc. in Electrical Engineering, GPA 16.65/20

[PUBLICATION]

- [CALDP: A Correlation-Aware Approach to Local Differential Privacy](#), M.Zolfaghari, **A.Mohammadi**, R.Jalili, (Under review)
- [Privacy book](#), Dwork, Translated to Persian by M.Zolfaghari, **A.Mohammadi**, R.Jalili, 2024 (to be published)
- [Infrared Cloaking by Scattering cancelation Method using Graphene](#), M.Danaeifar, **A.Mohammadi**, N.Granpaye, IOP Science, 2014
- [Graphene based tunable terahertz and infrared bandpass filter](#), Danaeifar, N.Granpaye, **A.Mohammadi**, A.Setayesh, APPLIED OPTICS, 2013
- [Tackling Terahertz Transceiver Design](#), **A.Mohammadi**, M.Danaeifar, Microwave & RF, 2013

[CERTIFICATES]

- Red Team, 40 hours, NooraNet, 2023
- Linux Forensic, 30 hours, NooraNet, 2023
- Network Forensic, 30 hours, NooraNet, 2022

- Security Certified Professional (PWK), 30 hours, NooraNet, 2022
 - Certified Ethical Hacker (CEH), 40 hours, NooraNet, 2021
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[WORK EXPERIENCES]

- **Network security Expert** at [MCI](#), Tehran, Iran, 2024-Present
 - Linux forensic
 - Red team member
 - Web Application Penetration test
 - **Data Governance Office Manager** at [MCI](#), Tehran, Iran, 2021-2024
 - Data privacy and Access Control tools development
 - Data Discovery and quality testing tools development
 - Data Governance Policy development
 - Data strategy development
 - Digital Services data analysis
 - **Freelance Developer**, Tehran, Iran, 2020-Present
 - Django Developer for web applications
 - Python Developer for data analysis
 - **Data science / Developer** at [National cyberspace Center](#), Tehran, Iran, 2018-2021
 - Social media analysis
 - Python developer
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[EDUCATION EXPERIENCES]

TEACHER ASSISTANT (TA)

- Information theory and coding Course by [Dr. Mahdi Jafari Siavoshani](#), Sharif University of Technology, Fall 2022
 - Applied cryptography Course by Dr. Koochak Shooshtari, Sharif University of Technology, Spring 2023
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[SKILLS]

CONCEPTUAL SKILLS

- Data Privacy

- Machine/Deep learning
- Information Theory
- Cryptography Theory and Application
- Formal Methods
- Network and web application Security
- Network Concepts and Designs

TECHNICAL SKILLS

- **Programming Languages:** Python, C, PowerShell, HTML, JavaScript, SQL, Bash
- **Frameworks:** Django, React
- **Operating Systems:** Linux (Ubuntu, Kali), Microsoft Windows & Windows Server Distributions
- **Softwares and Tools:**
 - DBMSs (Microsoft SQL Server, MySQL, PostgreSQL)
 - Network Tools (Cisco Packet Tracer, WireShark, Nmap, tcpdump)
 - Firewall & IDS (Iptables, Snort, Suricata)
 - Web Scanners (Acunetix, NetSparker, SQLmap, Burp Suit)
 - Virtualization Tools (Virtualbox, VM-ware)

LANGUAGES

- First Language: Persian
- Fluent in Reading, Listening, Speaking and Writing English
- Familiar with Korean and French

[REFERENCES]

- [Dr. Rasool Jalili](#), Associate Professor and Faculty Member of Computer Engineering Department, Sharif University of Technology, Email: jalili@sharif.edu (Master's Supervisor)
- [Dr. Morteza Amini](#), Associate Professor and Faculty Member of Computer Engineering Department, Sharif University of Technology, Email: amini@sharif.edu (Master's Thesis Reviewer)
- [Dr. Mohammad Danaeifar](#), Assistant Professor and Faculty Member of Electrical Engineering Department, University of Qom, Email: m.danaeifar@qom.ac.ir