# Fatemeh Tahery

• Tehran, Iran • yasi.tahery8331@gmail.com • https://github.com/yasamin8331 •

## Education

### Amirkabir University of Technology(TehranPolytechnic)

B.SC. IN COMPUTERSCIENCE

Tehran, Iran 2022- Present

## Skills

• **Programming :** c, c++, python, JavaScript • **Web Development:** HTML, CSS • **Tools & Technologies :** Git, Kali Linux, Wireshark, Nmap, Burp Suite, Virtual Box • **Other :** Problem-solving, Teamwork, Communication

• **Languages :** Persian(Native), English(Intermediate)

## Certificates

### • CompTIA Network+

CANDOACADEMY

• Certificate of completion for core networking concepts

• Covered network infrastructure, operations, security, and troubleshooting

### • CompTIA Security+

CANDOACADEMY

**Focus Areas:**

- Fundamentals of cybersecurity
- Network security and architecture
- Threats, attacks, and vulnerabilities
- Identity and access management (IAM)
- Cryptography and PKI
- Risk management and incident response

## • Certified Ethical Hacker (CEH) and PWK / OSCP (Penetration Testing with Kali Linux)

CANDOACADEMY

**Focus Areas:** Ethical hacking methodologies**,** Foot printing and reconnaissance**,** Scanning networks & enumeration**,** System hacking and privilege escalation, Malware, sniffing, DoS/DDoS attacks, Web application and wireless hacking, Tools: Nmap, Metasploit, Burp Suite, Wireshark, etc, Hands-on penetration testing in Kali Linux, Exploiting misconfigurations and vulnerabilities, Buffer overflows and exploit development, Privilege escalation (Windows & Linux), Active Directory attacks, Reporting and professional documentation of findings

# Projects:

### Python, Machine Learning, Data Analysis : GENETIC ALGORITHM CLUSTERING

- Conducted a comparative analysis of Genetic Algorithm vs K-Means clustering
- Implemented advanced outlier detection using Z-score and IQR methods
- Applied PCA for dimensionality reduction and performance visualization
- **Technologies:** Python, Scikit-learn, Pandas, Matplotlib
- **GitHub:** Genetic Algorithm Clustering

### Python, PyGame, AI Algorithms : TOM & JERRY GAME (AI-based)

- Developed an AI-based Tom & Jerry game using PyGame framework
- Implemented intelligent movement and decision-making algorithms for game agents
- Designed multiple AI vs AI modes for behavior analysis and testing
- **Technologies:** Python, PyGame, AI Search Algorithms
- **GitHub:** Tom & Jerry

### Python, Tkinter, CSP Algorithms : SKYSCRAPER PUZZLE SOLVER

- Built a constraint satisfaction problem solver for Skyscraper puzzles
- Implemented backtracking with MRV, LCV, and MAC optimizations
- Designed a Tkinter GUI for real-time puzzle visualization
- **Technologies:** Python, Tkinter, CSP Algorithms
- **GitHub:** Skyscraper Puzzle Solver

### Python, PyGame, AI Algorithms : OTHELLO GAME AI

- Implemented Othello AI with Minimax, Expectimax, and MCTS algorithms
- Developed a PyGame GUI with a weighted board evaluation system
- Created multiple AI vs AI game modes for algorithm comparison
- **Technologies:** Python, PyGame, AI Search Algorithms
- **GitHub:** Othello Game

# Position:

Enthusiastic Computer Science student with a passion for cybersecurity, bug bounty hunting, and ethical hacking. Skilled in programming and web technologies, with a growing interest in penetration testing and vulnerability analysis. Dedicated to applying problem-solving skills in real-world challenges and continuously expanding knowledge in the field of security