



CYBERSECURITY

# SEMAH BENALI

## CONTACT ME

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## EDUCATION HISTORY

### NATIONAL INSTITUTE OF APPLIED SCIENCES AND TECHNOLOGY

Pre-Engineering:

- Mathematic-Physics-Informatic
- Computer Science, Networks and Telecommunication

Information security Engineering

- Networks and Telecommunication
- Cybersecurity

### Pioneer High School

Bachelor Degree

- Graduated high school in 2017
- Mathematics

## WORK EXPERIENCE

### INTERNSHIP

Nexstep | 09-2020 to 11-2020

- Malware analysis using cuckoo.
- Creating Linux host machine and 4 guest hosts for test purposes.
- The test starts on a snapshot create on a newly installed host.
- Reporting.

### INTERNSHIP

Athena | 07-2020 to 09-2020

- Building a pentesting platform, and creating machines with different vulnerabilities

## ACHIEVEMENTS

🏆 Second Place In CSAW MENA CTF Finals(Middle East North Africa)  
By New York University

🏆 1st Place in Hackzone CTF 2021

🏆 Top 50team worldwide

🏆 3rd Place TT Security Day by Tunisie Telecom Operator

🏆 Hosting CTFs with Securinets Association, and The CTF reached top 1 CTF MENA region (Securinets Quals)

## LANGUAGES

### Arabic

- Native or Bilingual Proficiency

### English

- Full Professional Proficiency

### French

- Professional Working Proficiency

### Germany

- Elementary Proficiency

## PERSONAL PROJECT

### Cryptography Project

- Delivered a program that encrypts the files and their contents with a very secure algorithm and makes a backup to them.

### Custom Ransomware Development

- Had the chance to create custom ransomware that encrypts all the target data using AES-CBC encryption and encrypted the key with the RSA algorithm! The ransomware also locks the target's pc entirely, no keyboard press no mouse moving! Developed with PYTHON

### SecDevops Tool

- A pipeline tool that tests the vulnerability of a code given from URL or ZIP uploaded project. The Tools tests the top 10 OWASP vulnerability and returns the vulnerable functions and offers possible solutions/mitigations

### Fword CTF

- Hosting a CTF(Capture the flag) Competition that has more than 1200 participants and more than 900teams
- Creating Reverse Engineering, Cryptography, and Digital Forensics Challenges.

## ORGANIZATIONS

### SECURINET'S TECHNICAL DIRECTOR

- Organizing and hosting CTF competition
- Supervising the work of each team,
- Managing Introduction to Penetration Testing training sessions.

### Securinets Technical Member

- Organizing and hosting CTF competition
- Managing Custom Ransomware training sessions

### ACM (Association for Computing Machinery)

## SKILLS

### PENETRATION TESTING

- Enumeration.
- Scanning.
- Exploiting.

### CRYPTOGRAPHY

### DIGITAL FORENSICS

- Memory/Disk Analysis
- Networking

### WEB EXPLOITATION

### WEB DEVELOPMENT

- Django
- WordPress

### LINUX

## INTERESTS

CTFS | Sport | Music | Pentest | Forensics