

# Hamada Sayed Hamed

E: hsayedhamed1@gmail.com | T: (010) 0436-2609 | Asyut, Egypt

<http://www.linkedin.com/in/hsayedhamed>

<https://hsayed21.github.io>

---

## PROFESSIONAL SUMMARY

---

As a **Software Developer** with a strong passion in malware analysis and reverse engineering, I have experience in programming languages and troubleshooting and debugging. Write and develop high-quality applications. Work on large-scale applications. I have experience in identifying and analyzing suspicious malware. Able to use various security tools to analyze software and ensure confidentiality, integrity, and availability of the systems, networks, and data.

Knowledge in:

- **C#, Java, Python, HTML, CSS, JavaScript**
- **Practical Knowledge of SQL and database concepts**
- **Troubleshooting and Fixing software issues**
- **Knowledge of MVC, Web API**
- **Programming language and Operating systems**
- **Deep working knowledge of networking concepts and protocols: TCP/IP, HTTP, HTTPS, DNS, RPC, etc**
- **In-depth knowledge in Reverse Engineering, Malware Analysis.**
- **Demonstrable experience with reverse engineering tools such as IDA Pro, Ollydbg, Windbg**
- **Ability to create scripts to automate certain tasks**

---

## EXPERIENCE

---

### **Full Stack Developer** | POSBANK | NOV 2022 - PRESENT

- Developing new tools and applications, as well as updating and improving existing ones.
- Testing and debugging programs to ensure they function correctly.
- Launching new applications and databases for the company.
- Training new employees in the use of these applications.
- HTML, CSS, JavaScript, Angular, Web API, MVC, Desktop Application

### **SOC Analyst** | CyberTalents, Trend Micro CORP | Blue Team Scholarship 2023

Participated in 3-month training program, supported defensive security

- **SOC Analyst**
- **Threat Hunter**

### **Software Engineer** | LOGEEN | Internship 2022

Participated in 3-month training program, supported software development

(C# Advanced - Windows forms, DevXpress - SQL Server - .Net Framework | MVC)

- Demonstrated strong problem-solving and debugging skills, testing software for bugs and operating speed, and fixing identified issues
- Completed maintenance on existing software, ensuring that it was up-to-date and functional

- Developed a mini-management system to track employees' attendance, departure, and customer follow-up
- Assisted customers remotely and provided solutions to any problems they encountered, demonstrating strong communication and customer service skills
- Improved technical skills and knowledge through hands-on experience and continuous learning

## **Incident Response | CyberTalents, Trend Micro CORP | Scholarship 2021**

Participated in 3-month training program, supported incident response

- **Malware Analysis and Reverse Engineering**
  - Learned how the program works from high-level programming code to becoming machine code
  - Intel x86 Architecture + Assembly
  - Learned reverse engineering techniques (static - dynamic) and how to apply these techniques on malware samples for analysis and know how it works
  - Advanced topic about packing, unpacking, anti-debugging techniques
- **Digital Forensics**
  - Computer forensics (steganography - windows - memory - files recovery - autopsy)
  - Network forensics (packet capture - packet analysis)

## **Front-End Developer | ITI CORP | Internship 2021**

Participated in 1-month training program, supported web development

Courses:

- Participated in a comprehensive 1-month training program, gaining practical experience in web development
- Completed courses in **HTML, CSS and CSS3, JavaScript, responsive web design, TypeScript, ES.Next, and Angular** fundamentals
- Supported the web development team in various projects, including the design and implementation of front-end features and user interfaces
- Demonstrated strong teamwork and communication skills, collaborating effectively with cross-functional teams

---

## **EDUCATION**

---

- **Faculty of Computer and Information Technology (IT).** Asyut University, 2021
- Graduation Grade: **Very Good**
- GPA: 3.49
- Graduation Project: 3D Hologram System (Grade: Excellent)
- **Relevant Coursework**
  - Algorithms and Data Structures (SWE206)
  - Database Systems (ITF302)
  - Operating Systems (CAS204)
  - Programming Techniques (1) (SWE101)
  - Programming Techniques (2) (SWE102)
  - Programming Techniques (3) (SWE203)
  - Software Engineering (1) (SWE204)

- o Software Engineering (2) (SWE305)
- o Computer Networks(1) (NWE302)
- o Computer Networks(2) (NWE303)
- o Web Engineering(1) (NWE304)
- o Web Engineering(2) (NWE405)
- o Web Engineering(3) (NWE406)

---

## COURSE AND CERTIFICATES

---

- **Cisco Certified Network Associate (CCNA)**, National Telecommunication Institute (NTI), Sept 2022
- **RH124\_RHEL7 | Red Hat Enterprise Linux (Admin 1)**, Self-study
- **Incident Response Scholarship** Trend Micro, CyberTalents in Cairo (Cert), Jun - Aug 2021
- **Blue Team Scholarship** Trend Micro, CyberTalents in Cairo (Cert), Jun - Aug 2021
- **Malware Analysis Fundamentals**, ITI (Online Course), March 2022
- **Reverse Code Engineering**, ITI (Online Course), April 2022
- **Computer Network Fundamentals**, ITI (Online Course), Jan 2022
- **Introduction To Network Security**, ITI (Online Course), Jan 2022
- **AutopsyBasics and Hands-On**, Basis Technology (Online Course), May 2020
- **Advanced C#** (Delegate, Threading, Reflection..)

---

## RELEVANT INFORMATION

---

- **Languages:** English (Good), Arabic (Fluent)
- **Computer Skills:** Microsoft Office, Internet Advanced Search, Advanced User in using Operating System(Windows, Linux)
- **Technical Skills:** Version Control(Git), Azure, Bash Scripting
  - o Networks: Configuration, Routers, switches
  - o Programming Languages: C#, Java, Python, SQL, HTML, CSS, JS
  - o Software: Dreamweaver, NetBeans, VS Code, Visual Studio
  - o Automation: Autohotkey, Bash

---

## SOFT SKILLS

---

- Attention to Detail
- Fast learner
- Time management

---

## PERSONAL INFORMATION

---

Military status: **Exempted**

---

---

## REFERENCES

---

Available upon request.