

# Ebraam Mesak

## Security Researcher

Cairo, Egypt | +20 1286996076 | [ebraammesak@gmail.com](mailto:ebraammesak@gmail.com) |  
[linkedin](#) | [Github](#) | [BugCrowd](#) | [YesWeHack](#) | [Freelancer](#)

## CAREER OBJECTIVE

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Professional cybersecurity engineer with a master's degree and nearly 3 years of experience in cybersecurity. Passionate about security researching, with extensive expertise in web development, bug hunting, tools development and network administration. Adept at contributing to and enhancing tools, constantly seeking innovative solutions to complex security challenges.

## EDUCATION

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<b>University of Ottawa</b>	<b>Canada</b>
<b>Master of Engineering in Cyber Security</b> Grade : A	<b>2021-2022</b>
Graduation project: Detect Malicious .NET Binaries	
<b>Nile University</b>	<b>Egypt</b>
<b>Bachelor of Science in Computer Engineering</b> GPA : 3.76 (A)	<b>2015-2020</b>
Graduation project: Smart Billboard Advertising	

## PROFESSIONAL EXPERIENCE

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<b>EG-CERT (NATIONAL TELECOM REGULATORY AUTHORITY)</b>	<b>Egypt</b>
<b>R&amp;D Security Engineer</b>	<b>APRIL 2023-Present</b>
<ul style="list-style-type: none"><li>Static and Dynamic security testing using tools like CodeQL analysis, and fuzzing.</li><li>Penetration Testing</li><li>Develop security dashboards</li><li>Devsecops</li><li>Developing Discord bots</li><li>Maintain Network</li></ul>	
<b>IP Protocol</b>	<b>Egypt</b>
<b>SOC Analyst L1</b>	<b>Nov 2022-Feb 2023</b>
<ul style="list-style-type: none"><li>Handling offenses at 24x7x365 shifts for I-Score company</li></ul>	
<b>Bugcrowd, YesWeHack</b>	<b>Remote</b>
<b>Security Researcher</b>	<b>2023-Present</b>
<ul style="list-style-type: none"><li>I have successfully identified and reported over 15 vulnerabilities, all of which have been accepted and acknowledged by the respective organizations. My expertise includes conducting thorough security assessments, identifying critical vulnerabilities, and providing detailed recommendations to mitigate potential risks.</li></ul>	
<b>Web Developer and Security Engineer</b>	<b>Remote</b>
<b>Freelancer</b>	<b>2017-Present</b>
<ul style="list-style-type: none"><li>Edit, design, and secure web applications for different purposes using different programming languages -- Finished more than 110 projects.</li></ul>	

## PUBLICATIONS

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### Detecting Malicious .NET Files Using CLR Header Features and Machine Learning (2023)

Hassan, Mohammed & Eid, Mohamed & Elnems, Hossam & Elsayed Amin, Eslam & Mesak, Ebraam & Branco, Paula. (2023).

Proceedings of the Canadian Conference on Artificial Intelligence. 10.21428/594757db.88040587.

### Comparative Evaluation of Face Detection Algorithms (2020)

A. Yamout, A. Abdelmawgood, E. Sadick and M. Naguib, 16th International Computer Engineering Conference (ICENCO), Cairo, Egypt, 2020, pp. 64-71, doi: 10.1109/ICENCO49778.2020.9357386.

## PROJECTS

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### B-HUNTER

B-HUNTER is a powerful tool designed to run multiple recon and scanning tools in parallel, leveraging Docker and Kubernetes for maximum efficiency. It supports seamless integration and easily feeds outputs between tools, streamlining your security workflow.

### Benign-NET

Benign-NET is a dataset of benign .NET files collected from different resources. The dataset was used in different projects and research papers.

### UNIURL

UNIURL was developed to solve the issue that I faced while I was doing my reconnaissance that many urls redirect to false positive pages or 404 pages. This tool was designed to make sure that result is unique and valid

### Karton Polyswarm Scanner

A modular Karton Framework service for MWDB by CERT.PL that Scan and pull scan results from Polyswarm API and use antivirus scan results to pull family using PolyUnite

## ACHIEVEMENTS

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- [bormaa/Benign-NET](#) dataset was used in different papers and projects
- [Mercedes-Benz 2023 Hall of Fame](#)
- [Microsoft Research Center 2024 Q4 Leaderboard](#)
- Was a Mentor for an undergraduate graduation project
- Ranked 4 on master's degree
- 6 times Dean's List

## CERTIFICATIONS AND COURSES

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- Kaspersky Reverse Engineering Bootcamp (2023)
- TCM -Practical Ethical Hacking (2022)
- TCM-Practical Web Application Security and Testing (2022)
- Malware Analysis Fundamentals (2022)
- Performing Malware Analysis on Malicious Documents (2022)
- Certified CyberOps Associate (2021)
- TryHackMe-Cyber Defense learning path (2022)
- Certified Microsoft Azure Security (2021)
- The Incident Handling Response Professional Course (2022)