

# IUSTIN BARBIR

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## Introduction

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Cybersecurity student with a deep interest in **ethical hacking**, penetration testing, vulnerability analysis and network security. Curious, motivated, **disciplined** and hard-working individual, with a strong ability to **multitask** and resolve issues rapidly. Currently pursuing a master's degree while actively honing skills in penetration testing through extracurricular activities, consistently advancing and broadening expertise.

## Skills

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- **Technical Tools:** Metasploit | Burp Suite | Nmap | John The Ripper | Hydra | Wireshark
- **Operating Systems:** Kali Linux | Windows OS | Linux OS
- **Languages:** Romanian (**Native**) | English (**C1**) | French (**B2**)

## Education

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Master's, Information Security (EN)	Alexandru Ioan Cuza University	09/2023 - <b>Current</b>
Bachelor's, Business Administration (EN)	Alexandru Ioan Cuza University	09/2020 -07/2023

## Certifications

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- INE Junior Penetration Tester (**eJPT**)
- INE Certified Cloud Associate (**ICCA**)
- Cambridge English **C1**

## Experience

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**Intern, Capgemini Iasi** 05/2022 - 07/2022

- Assisted the HR department, focusing on recruitment tasks and collaborating closely with a mentor on day-to-day activities.
- Created the Employee Evaluation table in Excel based on criteria provided by senior team members.
- Conducted initial CV reviews on eJobs, screening over 50 CVs daily to identify candidates who matched pre-established criteria for various roles.

## Projects

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- Password Manager ([GitHub](#))  
Developed a local, Python-based password manager that stores passwords securely in a database encrypted using SHA256. Implemented features for generating, adding, deleting and copying passwords.
- Stern's ISD Algorithm ([GitHub](#))  
Collaborated with a team to replicate encryption and decryption processes using Stern's ISD algorithm, ensuring secure communication.
- DNS Spoofing ([GitHub](#))  
Executed DNS spoofing attacks using Kali Linux tools, successfully redirecting traffic from a real website to a custom Apache server.

- Security Protocols

Developed and tailored security protocols to mitigate common vulnerabilities, such as Heartbleed and Kerberos using tools like Avispa and Scyther for testing and validation.

- Ecommerce Website ([threadybeans.com](https://threadybeans.com))

Designed and developed a fully working online store for a real client using Shopify.

## CTFs

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- TryHackMe: [Glitch21](#)

## Volunteerism

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- Green Museum - Exploring Sustainability

Collaborated with a 5 member team in order to organize an event at the University Museum in Iasi, where 4 international speakers presented their projects related to sustainability at the workplace.