

# RAUL MOIȘ

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📍 Dumbrăvița, Timiș, România

📁 Portfolio

🌐 LinkedIn: raul-mois05

🐙 GitHub: m-rau5

🏆 Kaggle: raulmois05



## EXPERIENCE

### Seminar Assistant, Python Programming Laboratory

#### West University of Timișoara

📅 Oct 2023 – Present

📍 Timișoara

- Hold weekly Python labs with the first-year students, guiding them through key programming concepts and practical exercises.
- Assist students with problem-solving, debugging and applying coding principles in real-world scenarios.

### Software Tester Intern

#### VALEO IT Services International

📅 July 2023 – September 2023

📍 Timișoara

- Implemented Test Automation for live production applications using Selenium and Python
- Worked in an Agile environment using tools such as GitHub, Jira, Confluence
- Conducted API and Performance Testing of web applications using Postman and JMeter
- Documented and Maintained tests while adhering to Test Creation and Maintenance Protocols

### Summer Practice Hackathon

#### Haufe Group

📅 8 June 2024

📍 Timișoara

- Selected as one of the winners of a hackathon where I created a Movie sharing platform with ML movie recommender capabilities using HTML, CSS and Python with the Django framework alongside Sklearn and Pyspark in a time window of 7 hours.

## PROJECTS

### Machine Learning App - Book Recommender

- A Book Recommender System using Content-Based and Collaborative Filtering approaches, submitted as my bachelors thesis. Offers 3 options of algorithms for the CB approach, showcasing the difference between each method. the ALS algorithm was utilized for the CF approach.
- Built using Python with sklearn, pyspark, pandas and GUI built using tkinter.
- [Github Link](#)

### Kaggle Competition - Contradictory, My Dear Watson

- Obtained 2 place in the "Contradictory, My Dear Watson" Kaggle competition with an accuracy score of 88.8%. Solution utilized a fine-tuned XML-RoBerta model pre-trained on various MNLI datasets.

### Home Lab - Kali Virtual Machine

- A Kali Linux virtual machine created to experiment and learn cybersecurity concepts such as the OWASP Top 10 vulnerabilities or exploring encryption and hashing tools. Also for experimenting with Kali linux tools in a practical way: Nmap for network scanning, Enum4Linux for network vulnerabilities enumeration, Metasploit and all the of tools provided in BurpSuite.

### Back-end for Web App - Brew Buddy

- A back-end for a web app that allows users to manage their tea collection, create favourite and owned tea lists and set preferred infusion times. Written using Python with the Django framework.
- [Github Link](#)

### Desktop App - Cărturești Wishlist

- A Wish List Application for Carturesti.ro and Libris.ro built using Java, JavaFX, and HtmlUnit that notifies the user of the best deals using a web scraper.
- [Github Link](#)

## EDUCATION

### Masters' in Cyber Security

#### West University of Timișoara

📅 2024 – 2026 (in progress)

### B.Sc. in Computer Science

#### West University of Timișoara

📅 2021 – 2024

## LANGUAGES

• Romanian (Native) • English (C2)

## CERTIFICATES

1 Cambridge Certificate in Advanced English  
Ability at Level 3: C2 Level

2 Pre Security, Introduction to Cyber-Security - TryHackMe  
Certificate of Path Completion

# CONFERENCES

Presented my thesis paper:  
"Training Process of a Machine Learning Model for a Book Recommendation System" in the 2024 edition of the "Ștefan Mărușter" Informatics Competition (CISM 2024)

# STRENGTHS & SKILLS

Eye for detail

Quick Learner

Problem Solver

Adaptable

Python

Django

Java

GitHub

REST API's

Machine Learning

Agile/Scrum

Recommender Systems

Networking

Security Fundamentals

Linux

Manual/Automated Testing

# INTERESTS

Travelling • Cooking • Modding • Gaming • Self-Improvement