

RAUL MOIȘ

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♥ Dumbrăvița, Timiș, România

Portfolio: m-rau5.github.io/portfolio/

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EXPERIENCE

Software Engineer

Politehnică University of Timișoara

Dec. 2024 – Present

Timișoara

- Design and plan the structure of internal university applications based on requirements
- Developed and implemented features using Django and Flask.
- Assist with deployment and management of released applications using Nginx, Unicorn, Docker, and networking solutions..

Seminar Assistant, Python Programming Laboratory

West University of Timișoara

Sept. 2024 – 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 – Sept. 2023

Timișoara

- Implemented Test Automation for live production applications using Selenium while working in an Agile environment.
- Conducted API and Performance Testing using Postman and JMeter while documenting and maintaining tests adhering to Test Creation and Maintenance Protocols

PROJECTS

Machine Learning App - Book Recommender

- A Book Recommender System using Content-Based and Collaborative Filtering approaches combined with NLP techniques, submitted as my bachelors thesis. Offers multiple algorithms to play around with, showcasing the difference between each method. Built using Python with sklearn, pyspark, pandas, tkinter (GUI).
- [Github Link](#)

Kaggle Competition - Contradictory, My Dear Watson

- Obtained 2nd place in the "Contradictory, My Dear Watson" Kaggle competition with an accuracy score of 88.8%. Solution utilized a fine-tuned XML-RoBERTa ML model pre-trained on various MNLI datasets.
- [Notebook Link](#)

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 Django, SQLite, and BeautifulSoup for Web scraping.
- [Github Link](#)

Desktop App - Cărturești Wishlist

- A Wish List Application for Carturesti.ro and Libris.ro built using Java, JavaFX,SQL , 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
- Flask
- Java
- Git/GitHub
- HTML/CSS
- Docker
- SQL
- MongoDB
- Machine Learning
- Nginx
- Gunicorn
- OAuth 2.0
- Deep Learning
- Agile/Scrum
- REST API's
- Networking
- TCP/IP
- Security Fundamentals
- Manual/Automated Testing
- Selenium
- Linux
- Data Structures & Algorithms

INTERESTS

Travelling • Cooking • Modding • Gaming • Self-Improvement