

EDUCATION

Faculty of Economic Cybernetics, Statistics and Computer Science

B.S.in Computer Science and Economics

Bucharest, Romania

Sep 2024 – June 2027

- **Coursework:** Data Structures & Algorithms · Object-Oriented Programming · Computer Organization · Systems & Networks · Design of Algorithms · Database Systems · Statistics · Applied Mathematics

Department for Teacher Training – University of Economic Studies

Psychopedagogical Training Module

Bucharest, Romania

Sep 2024 – June 2027

- **Coursework:** Teaching · Communication · Teamwork

National College of Informatics ”Grigore Moisil”

High School Diploma

Iasi, Romania

Sep 2020 – June 2024

- **Coursework:** Applied Mathematics · Basics of programming · (C/C++)

PROJECTS

- **MovieRecommender:** A Python-based movie recommendation system that helps users discover new films based on their preferences and viewing history. GUI built with Streamlit. Supports content-based and collaborative filtering, pluggable similarity metrics (cosine, Pearson, etc.), data-analysis utilities, a Pythonic API and optional CLI, and reproducible training/evaluation workflows. Live demo · Project link.
- **Logo Similarity:** A lightweight pipeline for computing visual similarity between company logos without heavy ML. Extracts logos/favicons from domains, downloads and normalizes images, computes perceptual hashes (pHash / dHash / aHash / wHash), clusters visually similar logos, and writes human-friendly outputs (JSON, CSV, statistics). Input format: Parquet list of domains; output: clustered results suitable for manual review. Project link.
- **Portfolio:** Personal portfolio showcasing projects, experiments and write-ups. See mihnea.online for additional projects and links to code, demos and screenshots.
- **To do list app:** A simple and efficient To-Do List application for managing daily tasks, built with JavaScript, CSS, and HTML. The app designed to help users organize their day-to-day tasks efficiently. With an intuitive user interface and seamless functionality, this app ensures that task management is both simple and productive. Live Demo · Project link.

VOLUNTEER EXPERIENCE

- **Cybernetics Students Union (SiSC) · sisc.ro:** As part of the IT Department, Back-End Division, I work on the websites and applications for the seasonal projects, using a technical stack that includes JavaScript, Node.js, React.js, Express.js, HTML, CSS, MySQL, and Git.

SKILLS

Languages & Programming: Python, C/C++, JavaScript

Frameworks & Tools: Django, Selenium, Streamlit, Git, Version Control

Data & Analysis: Data analysis, web scraping, perceptual hashing pipelines, similarity analysis

Machine Intelligence: Advanced prompt engineering for LLM-based systems

CERTIFICATIONS

- **Intro in Python Development — Fundația Orange România:** Issued Nov 2025 · Covered Python development fundamentals, Django, Selenium, web scraping, data analysis, and data processing.
- **DD Database Design Learner — Oracle:** Issued May 2024 · Skills: Oracle Database, Database Design, SQL.
- **DP Database Programming with SQL Learner — Oracle:** Issued Mar 2024 · Skills: SQL, Oracle Database.