

# CATANA RARES-ALEXANDRU

Student

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[GitHub](#) | [Linkedin](#)

## EDUCATION

**Universitatea Politehnica Timisoara, Automatica si Calculatoare**

Timisoara, Romania

Bachelor of Engineering in Computer Engineering

2023 - 2027

**National College Moise Nicoara**

Arad, Ro

Mate-info Diploma de Bacalaureat

2019 - 2023

## EXPERIENCE

**Eviden: Introduction to Big Data | Liga AC Labs Participant**

Timisoara | April 2024 - June 2024

Liga Ac Labs is a project made by the student league in which students study a certain topic with the engineers of a company for several weeks. So far I have learned about some of the basics of cloud computing, such as **cloud computing** service models (IaaS, PaaS, SaaS) and about how Spark (**PySpark**) and **SQL** are used in big data.

## SKILLS

Programming Languages: C, Python, C#, Java

Tools / Platforms: Linux

Databases: SQL, NoSQL ( MongoDB )

## PROJECTS / OPEN-SOURCE

**CurrencyXchange: A Java Application for Real-Time Currency Exchange** | [Link](#)

Java, MongoDB

CurrencyXchange is a user-friendly **Java** application that facilitates real-time currency exchange between various denominations. It utilizes the **CurrencyAPI**, a comprehensive exchange rate provider, to offer accurate and up-to-date conversion rates. It also uses a **MongoDB NoSQL** database in order to keep track of all your transactions.

**ChampScraper: Python Web Scraper for Champions League Insights** | [Link](#)

Python, OOP

ChampScraper is a **Python** web scraper built using **OOP** principles and the **BeautifulSoup** and the **Pandas** library. It fetches real-time data from the Wikipedia page of the UEFA Champions League competition.

**MovieTrackr: A Comprehensive C# Program for Cataloging, Rating, and Personalizing Your Film Experience with Multi-User Support** | [Link](#)

.NET, C#, SQL

Feature-rich **C#** program designed for organizing, rating, and customizing your cinematic journey made with the **.NET** platform. Developed using **Windows Forms** and **OOP** principles, MovieTrackr offers a seamless user experience. With its integration of a **Microsoft Express LocalDB SQL** database, users can efficiently manage their movie collections.