



# MIHNEA-RARES SAVA

## DETAILS

### Contact

Cluj-Napoca, Romania

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### Nationality

Romanian

### Driving license

B, B1, AM

### Date / Place of birth

7 August 2003

Targu Mures, Romania

## ABOUT ME

Through my academic studies, I have gained a range of abilities, such as analyzing and solving technical issues, learning fast and working effectively in teams. I like to find the balance between efficiency and styling in everything I do. I am passionate about my work, never afraid to ask for help or offer it.

## EDUCATION

### Technical University of Cluj-Napoca, Cluj-Napoca

OCTOBER 2022 – PRESENT

Studying at Automation and Computers Faculty, System Engineering profile, specializing on automation.

### Graduate Of High School, National College "Alexandru Papiu Ilarian", Targu Mures

SEPTEMBER 2018 – JUNE 2022

Graduated a natural sciences profile, intensive English.

### Cambridge English Certificate

MARCH 2021

Obtaining the Cambridge English Certificate, experienced user grade C1 with a score of 193/210.

## VOLUNTARY WORK

### Founding Member of Leo Ursa Major Targu Mures, Lions International, Targu Mures

NOVEMBER 2020 – JUNE 2022

The high school branch of Lions International was established in Târgu Mureș by young individuals eager to contribute positively through voluntary work and various projects, such as fundraising and environmental conservation. Our projects reached the world through press articles, for example: <https://www.zi-de-zi.ro/2021/04/29/ecologizare-dupa-model-german-la-targu-mures/>. Collaboration with other volunteer organizations was essential. We partnered with Gutenberg Neumarkt, the German-speaking students' organization, and ONedu Romania. Being one of the founding members of this group helped me develop my leadership skills and placed me in situations requiring responsible decision-making.

## Volunteer Organizer at SuperTeach Conference

2019

SuperTeach Conferences are one-day events held in major cities across the country. Their aim is to connect passionate teachers with individuals who are actively involved in changing the educational system through their mindset and actions.

Intrigued by the opportunity to participate in the 2019 edition of this conference, I was accepted as a volunteer organizer. Alongside my colleague, I ensured the smooth running of the event, handling the video documentation of the event, the ambient music and the speakers' presentations displayed in the background.

## Voluntary Work at Alpha Transilvania Foundation, Targu Mures

JUNE 2018 – JULY 2019

The Transilvanian Alpha Foundation focuses on caring for people with disabilities and organizing various activities for children. Contractually, I have completed 165 volunteer hours, most of which were contributed during the Summer Camp. This experience has significantly enhanced my communication and teamwork skills, and deepened my understanding of the challenges faced by individuals with disabilities.

### PROJECTS

#### Tropical Breeze Resort Website

The Tropical Breeze Resort website is a user-friendly platform based on a hotel management site, demonstrating my approach when it comes to modern web development.

This project was an assignment given to me by the "Databases" teacher and I realized that full-stack web development might be for me when I started losing sleep hours to work on the project. Below is a summary of the technical aspects of the site and the skills I acquired during its development.

I utilized HTML (front-end, structure and layout creation of the pages), CSS (front-end styling), JavaScript (back-end submission forms handling, data fetching, DOM manipulation, etc.), Express.js (server setup, handling routes for user registration and booking submissions through Node.js).

The linked database is a Microsoft SQL Server database. Its purpose is to store user accounts and booking information, ensuring efficient data handling. Various SQL queries have been executed to perform CRUD operations: Create, Read, Update, Delete.

For security purposes, I added double password verification inputs during registration and developed secure login and registration functionalities with form validation and error handling.

I gained experience in setting up and managing a Node.js server with Express.js., at the same time improving skills in database management, styling for a visually-appealing experience and setting up minimal security measures.

I certainly have a lot more to learn, but I am eager to do it and won't back down from any challenges encountered.

Below is my github link with the project attached:

<https://github.com/SavaMihnea/TropicalResort-Website>

#### Arduino Radar Project

This project was realized using 2 coding languages: C++ for the Arduino Uno application and Java for the Processing 4.3 application. The radar was built using a micro servo motor, an ultrasonic sensor and LED's. Essentially, the final product detects any object in front of the sensor at a maximum distance of 40 centimeters, displaying the distance, angle, and shape of the object on the interface realized in the Processing app. Even

if it proved difficult at first, I managed to link the data read by the sensor to the display using a specific port, demonstrating my technical competence and persistence in overcoming challenges.

More details about this project are listed below:

<https://github.com/SavaMihnea/Radar-System>

### **Arduino based Self-Watering Plant Project**

I collaborated with a classmate on a project for the "Measurements and Actuators" course. We designed an autonomous product called the "Self-Watering Plant System," aimed at automatically watering plants when owners are away. We used different sensors, such as temperature and humidity sensor, light sensor for ambiance, soil humidity sensor, aiming to create the perfect conditions for any plant. A display was implemented to show the data read by the sensors, telling the owner everything there is to know about the environment and if it is suitable for the plant. I learned to work efficiently in a team, discussing every problem and finding solutions together with my classmate, as well as being time-efficient, meticulous and well organized.

More information on this project can be accessed below:

<https://github.com/SavaMihnea/SelfWateringPlant-System>

### **LINKS**

[LinkedIn](#) [Instagram](#)

### **SKILLS**

Problem Solving

Time Management

Ability to Multitask

Teamwork

Fast Learner

Adaptability

### **HOBBIES AND INTERESTS**

Some of my interests and hobbies are collecting foreign currencies, running or going to the gym and gaming, which represents a big part of my free time.