



ANTONIA - ȘTEFANIA ANDREI

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Bucharest, Romania

EDUCATION

**Polytechnic University of
Bucharest, Faculty of Automatics
and Computers** 2022-present

National College "Mihai Viteazul"

2018-2022

SOFT SKILLS

- Creativity
- Communication
- Teamwork
- Meeting deadlines
- Friendly
- Critical thinking
- Resilience
- Adaptability

HARD SKILLS

- React
- Node.js
- Express.js
- HTML, CSS
- Javascript
- SQL Microsoft Server & MySQL
- C/C++
- Kotlin
- Python
- Java/Spring Boot
- Arduino Programming
- Numerical Methods
- Object Oriented Programming
- Linux Operating System
- Web Scraping
- Thunkable
- Microsoft Word, Powerpoint, Excel

ABOUT ME

I am a student at the Faculty of Automatics and Computers in Bucharest. I am deeply passionate about the IT industry and eager to immerse myself in this field as much as possible, constantly seeking out new learning opportunities and experiences.

Driven by my curiosity and enthusiasm, I am committed to exploring the diverse facets of the IT world, from programming and software development to cybersecurity and artificial intelligence. I thrive on challenges and view each obstacle as an opportunity for growth.

CODING EXPERIENCE

Car Dealer App

Car Dealer App – Full Stack (**React.js & SQL Server**) Manages car sales for a dealership. I used **Node.js with Express.js** to create a backend server. Key features: Cars: Add, update, delete. Clients: Manage client info. Sales: Track sales, associate clients & employees. Search: Filter by brand, find clients by price. Stats: Generate reports on cars, clients, employees, sales.

Restaurant Management System

The project proposes the development of a complete online restaurant management system using **Java, Spring Boot, and MySQL**. The application is designed to provide a seamless and interactive experience for both regular users, who can order food or make reservations, and administrators, who can manage the menu, orders, users, and reservations.

Flow Manager OOP Project

I developed an app using **C++** programming language that allows users to create custom flows for processes they use in their work. As companies go through the digitalization process, they need to move their process to apps that can help them automate and optimize their work.

Weather Application – Real-Time Weather Data with Python & Tkinter

Developed a **desktop weather application** using **Python and Tkinter** to provide real-time weather updates for any city. Integrated a weather API to display temperature, humidity, wind speed, and atmospheric conditions in a user-friendly graphical interface.

WORKING EXPERIENCE

- Code School Clubs

July 2024-present

- Adfaber

November 2024-present

I have work experience as a Programming Trainer at Code School Clubs and Adfaber, where I teach **HTML, CSS, and JavaScript**, as well as **Thunkable**, to children and teenagers.

Through this role, I have developed strong **teaching and mentoring skills**, the ability to break down complex concepts into simple, engaging lessons, and experience in adapting my communication style based on the students' age and knowledge level.

This experience has strengthened my expertise in **front-end development, problem-solving**, and working with visual programming platforms, proving my ability to explain technical topics clearly and effectively.

COURSES

Java 17 Masterclass - Udemy

CERTIFICATIONS

Level B2 Cambridge Certificate

LANGUAGES

Romanian - Native

English - Fluent

Arduino Car Parking System

The project, implemented on the **Arduino** UNO board and written in **C++**, is a simple parking system utilizing two IR Proximity Sensors and a servo motor to control the parking barrier. The purpose of this system is to manage vehicle entries and exits in the parking lot and display the number of available parking slots.

Web Scraping jobs

In this project, I participated in **SEO Research** due to my passion for web technologies, and I performed web scraping on the eJobs website to make it easier to track details about each job individually for those interested in finding employment opportunities. I worked in a team and we implemented the app using **Python** programming language and **Selenium** for web scraping.

Machine Learning Techniques Project: Comparative Analysis of Classification Algorithms

Developed a Python-based machine learning project to analyze and compare the performance of three classification algorithms—K-Nearest Neighbors (KNN), K-Means, and Naive Bayes—in identifying 20 categories of animals from an image dataset.

Cost optimization of transportation with the GPP algorithm

I have developed this application using the **Python** programming language, and it consists of calculating the optimal transportation costs of products from the manufacturer to the destination, depending on quantity, supply, and demand.

Hackathon

I participated in a University activity where I developed my skills in web technologies. I worked in a team to develop a website with the theme 'Green Energy', using **HTML, CSS, and JavaScript**.

ChatBot App

This app was developed in Kotlin as a team project, aiming to help those interested in computers learn about the IT industry in an interactive way. Users go through lessons on this topic and are assessed on their acquired knowledge.

Hobbies

I am a sporty and positive person. I practiced performance athletics for 10 years, which has taught me to be more disciplined and determined. Additionally, by participating in this sport, I learned to work as a team and to be organized with the team in order to achieve our goals, frequently participating in relay races. Also, through my experience in athletics, I developed resilience and learned the value of perseverance in the face of challenges. This journey has instilled in me a strong work ethic and the ability to adapt to various situations, both on and off the track.

I thoroughly enjoy traveling and discovering the traditions and customs of each country.