



# Rădutoiu Răzvan Florin

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🐙 Github 🔗 Website

## Profile

Cybersecurity student with a strong interest in network security, data science, and automation. Experienced in Python, C/C++, and fullstack development, with hands-on projects like an AI-powered Intrusion Detection System and a fleet management dashboard. Passionate about building secure, practical tech solutions and continuously learning new tools and technologies.

## Education

2024 – present	<b>Cybersecurity</b> <i>Universitatea Transilvania din Brasov</i>	Brasov, Romania
2020 – 2024	<b>Tehnologii și Sisteme de Telecomunicații</b> <i>Universitatea Transilvania din Brasov</i>	Brasov, Romania
2016 – 2020	<b>Diploma de Bacalaureat</b> <i>Colegiul "Emil Racovita"</i>	Brasov, Romania

## Work Experience

09/2024 – 05/2025	<b>Fullstack Python Developer</b> <i>US-based Client</i>	
07/2023 – 09/2023	<b>Science &amp; Engineering Summer School 2023 - DevOps: Linux &amp; Ansible</b> <i>IBM</i>	Brasov, Romania

## Skills

Python	Linux/Bash	C/C++	Web Scraping	Automation	Jira	Postman
API Testing	Networking	Ansible	OSINT	Wireshark	Javascript	

## Languages

Romanian ● ● ● ● ● English ● ● ● ● ●

## Projects

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### Wi-Fi Intrusion Detection System powered by AI

*Python, C, C++*

Developed a real-time Intrusion Detection System (IDS) utilizing ESP32 microcontrollers to monitor network traffic and transmit data to a machine learning model trained on the Aegean Wi-Fi Intrusion Dataset to analyze incoming traffic and detect potential malicious activity or intrusion attempts. The system enables lightweight, real-time threat detection at the network edge.

### University Cafeteria

*Python, Flask, MongoDB, HTML, CSS*

Simple implementation and proof of concept of a student cafeteria featuring order management, user authentication and authorization and an intuitive QR order validation for the faculty staff.

### Raspberry Pi QR Scanner

*Python*

Designed and implemented a QR code scanner using a Raspberry Pi, which can detect malicious QR codes using Google's Safe browsing API to enhance security measures. This project was a part of my personal initiative to explore the applications of computer vision in the field of cybersecurity.

### Fleet Management Dashboard

*Python/Flask, JS, RESTful API, HTML, CSS*

A comprehensive web application I developed for real-time fleet management and monitoring as an internal tool for a US-based trucking company. This solution integrates with the Samsara API to provide a centralized dashboard for tracking and managing a company's trucking fleet.

## Interests

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**CTF competitions** — *West University of Timișoara CTF, Transilvania University CTF, Brigham Young University CTF, etc*