

# Mihai-Alexandru Hutan

## Software Engineer

I am a dedicated first-year master's student specializing in **AI** at the **University of Bucharest, Romania**, with a passion for programming and a keen interest in **machine learning** and **web development**. Throughout my academic journey, I've honed my skills in various facets of computer science, positioning myself to excel in the dynamic world of technology. Having played handball for nine years on a high-performing team, I understand the value of **teamwork**, **communication**, and **determination** in achieving collective goals.

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## WORK EXPERIENCE

### Software Engineer

#### Arcanna.ai

02/2024 - Present

Bucharest (Hybrid), Romania

AI startup that enhances SOC teams to take decisions faster by training and using their own models.

#### Achievements/Tasks

- Worked on multiple layers of the backend system, from data pipeline to REST APIs.
- Assisted in revamping the frontend of the application, focusing on performance and better UI/UX.
- Authored unit, integration, and end-to-end tests to ensure scalability and reliability of the application.

### Software Engineer

#### iBac

05/2023 - Present

Bucharest, Romania

Product startup that helps the young students in Romania to ace the Baccalaureate exam.

#### Achievements/Tasks

- **Co-Owner and Software Engineer** of a top-rated educational app, achieving 5-star ratings on both Android and iOS platforms.
- Contributing to the app's success with **30,000+** monthly active users and over **250,000** accounts created.
- **Achieved #1 rank** in the Education category on both App Store and Google Play multiple times.
- Contributed to architectural decisions and feature brainstorming sessions, ensuring the delivery of a high quality product and new features.

### Junior Software Engineer

#### Capgemini Engineering

07/2022 - 05/2023

Bucharest (Remote), Romania

#### Achievements/Tasks

- Initiated and executed projects from inception, leveraging Docker for efficient containerization and establishing robust CI/CD Pipelines for both deployment and testing. Developed documented RESTful APIs to facilitate seamless collaboration with the frontend team.
- Proficiently processed and filtered substantial volumes of data received from data engineering teams, ensuring the delivery of comprehensible and industry-standard APIs.
- Contributed to projects utilizing a technology stack comprising Docker, FastAPI, Django, SQLAlchemy, Alembic, PostgreSQL, and Poetry.

## SKILLS

Continuous Integration / Delivery (CI/CD)

CSS

Deep Learning

Django

Docker

FastAPI

Flask

GIT

HTML

JavaScript

Machine Learning

MySQL

Next.js

Numpy

Object Oriented Programming (OOP)

OpenCV

PostgreSQL

Pytest

Python

Pytorch

React

REST APIs

SQLAlchemy

TypeScript

## EDUCATION

### Master of Artificial Intelligence

#### University of Bucharest

10/2024 - Present

Bucharest, Romania

### Bachelor of Computer Science

#### University of Bucharest

10/2021 - 06/2024

Bucharest, Romania, GPA 8.5/10

### Mathematics and Computer Science

#### National College "Gheorghe Lazar"

09/2017 - 05/2021

Bucharest, Romania, GPA 9.5/10

## PERSONAL PROJECTS

### RoCar - Car Price Predictor based on Machine Learning (03/2024 - 06/2024) [🔗](#)

- This thesis introduces a production-grade web application, tailored for the Romanian automotive market, designed to predict vehicle prices.
- RoCar utilizes a model specialized in Romania's economy and pricing, trained on data we have independently scraped.
- The application stands out by using both structured data (year of production, manufacturer, model, options) and information from images and descriptions, leveraging a self-made multimodal architecture for more accurate predictions.