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|  | **Education** |

**Bachelor of Industrial engineering and Robotics**   
***UNSTB - FIIR*** 2022-2026

From October 2022 to June 2026, I am pursuing a bachelor’s degree in Industrial engineering and Robotics, specialization in **Industrial Informatics** at National University of Science and Technology Polyethnic Bucharest.

Niculae George Alexandru

My coursework includes computer **programming and**   
**programming languages**, designing algorithms, robotics, python programming, neural networks, web technologies, programming systems engineering and more

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|  | Industrial Engineering | **Experience** | |
| Undergraduate |
| **Tech Company** | |
| **Contact** | ***EVA Staff*** | 25.06.2024 - 27.08.2024 |
| During this work experience, I had the opportunity to work on | |
|  | www.linkedin.com/in/alex-niculae- | various aspects, such as: | |
| 5313631ba | Managing and organizing a project | |
|  | +40-767-310-496 | **Working in a team** and collaborating efficiently | |
| Implementing and installing an IoT solution | |
|  | alexniculae367@gmail.com | **Automating software** processes using programming languages | |
| like Python | |
|  | https://github.com/AlexNick03 | Through these activities, I gained a better understanding of project | |
| management, **developed my communication** and collaboration | |
| skills, learned to implement IoT solutions, and improved my | |
|  | **About Me** | expertise in software automation. | |

I am a motivated and adaptable   
individual with a strong analytical   
mindset and a passion for technology.

Through my academic journey and hands-on experience, I have   
developed problem-solving skills and the ability to work efficiently both independently and within a team. I am always eager to take on new   
challenges, learn quickly, and   
contribute to innovative projects.

**Personal Projects**

**Start Up GymShop - E-commerce presentation website**

***HTML | CSS | JavaScript | Python - Django | SQLite***

GymShop is an e-commerce platform for sports equipment, featuring user authentication, session management, and secure password handling. Built with **HTML, CSS, JavaScript, Django, and**

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| **SQLite**, | it | showcases | my | ability | to | develop | fullstack | web |

applications. While still in progress, it highlights my foundational skills in building scalable and secure systems.

**Entity Resolution with Fuzzy Deduplication**

***Python | RapidFuzz | NetworkX | Pandas***

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|  | **Programming Skills** | Developed a scalable fuzzy deduplication system that grouped |
| **33k+** messy company records into **~7k** unique entities using |

**custom scoring, blocking, and graph clustering** — all without

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|  | **Python** |  | **CSS** | labeled data or pre-trained models. |
|  | **C++** |  | **JavaScript** | **PPE Detection Using YOLOv8** |
|  | **Labview** |  | **HTML** | ***Python | YOLOv8 | PyTorch | Pandas | NumPy | OpenCV*** |
| Developed an **AI-powered system** using **YOLOv8** to automate PPE |
|  | **Java** |  | **PHP** |
| detection in industrial settings. The solution improves workplace |
| safety by reducing manual monitoring and ensuring compliance |
|  |  | **Arduino** |
| with safety regulations |
| **MatLab** |