NICULAE GEORGE - ALEXANDRU

INDUSTRIAL ENGINEERING UNDERGRADUATE

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**SUMMARY**

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.

**WORK EXPERIENCE**

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| **EVA Staff**  Intern | **Bucharest, RO**  *Jun 2024 - Aug 2024* |

Learned how **to manage and organize** projects

**Working in a team** and collaborating efficiently

Implemented an **IoT solution to automate software processes** using programming languages like

**Python**

 Gained hands-on experience in project management, IoT implementation, team communication, and software automation..

**PERSONAL PROJECTS**

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| **Start Up GymShop - E-commerce website** | *HTML | CSS | JavaScript | Python - Django | SQL* |

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| Developed a full-stack e-commerce platform f Implemented user **authentication and sessi** Implemented secure password handling using **Applied HTML, CSS, and JavaScript** for res Utilized **Django and SupaBase** for **back-end** Demonstrated foundational skills in building s    **Entity Resolution with Fuzzy Deduplication** | or sports equipment  **on management**  Django best practices  ponsive front-end design  logic and database integration calable, secure web systems  *Python | RapidFuzz | NetworkX | Pandas* |

Developed a scalable **fuzzy deduplication** system for entity resolution

Processed 33,000+ noisy company records into **~7,000 unique entities**

Designed custom **similarity scoring** and blocking strategies to **improve performance**

Applied **graph-based clustering** for accurate grouping of duplicate entries

Achieved results without labeled data or pre-trained models (unsupervised approach)

**EDUCATION**

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

*Specialization:* ***Industrial Informatics***

 Relevant coursework: algorithms, programming languages, robotics, neural networks, web technologies, and systems engineering.

**SKILLS**

**Technical Skills**: Python, JavaScript, Java, HTML, CSS, C++, LabView, MATLAB, PHP

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|  | **Languages**: English, Romanian |

**Soft skills**: Critical Thinking, Teamwork, Problem Solving

