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** | | **Bucharest, RO** |
| Intern | | *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**

|  |  |  |
| --- | --- | --- |
| **Start Up GymShop - E-commerce website** | | *HTML | CSS | JavaScript | Python - Django | SQL* |
|  | Developed a full-stack e-commerce platform for sports equipment | |
|  | Implemented user **authentication and session management** | |
|  | Implemented secure password handling using Django best practices | |
|  | **Applied HTML, CSS, and JavaScript** for responsive front-end design | |
|  | Utilized **Django and SupaBase** for **back-end** logic and database integration | |
|  | Demonstrated foundational skills in building scalable, secure web systems | |
| **Entity Resolution with Fuzzy Deduplication** | | *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**

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|  | **Technical Skills**: Python, JavaScript, Java, HTML, CSS, C++, LabView, MATLAB, PHP **Languages**: English, Romanian  **Soft skills**: Critical Thinking, Teamwork, Problem Solving |