

# NICULAE GEORGE - ALEXANDRU

## INDUSTRIAL ENGINEERING UNDERGRADUATE

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Socials: [LinkedIn](#) [GitHub](#)

### 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

#### 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

#### 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

- **Languages:** English, Romanian

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