## ZH

- EU Citizen (No Visa)
- Relocating to Ghent
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### DATA SCIENCE STACK

Python (Pandas, Scikit-learn)

Anomaly Detection

Time Series Analysis

Azure Data Lake (Concepts)

### LANGUAGES

**English:** Professional (C1)
**French:** Native (Saint-Gobain lang.)
**Spanish:** Native (Logistics lang.)
**Dutch:** Willing to learn basics

### SCALE-UP MINDSET

"Get-the-job-done" Attitude

Autonomy & Initiative

Fast Learner

# Zakaria Hansali

## Data Science Intern | Anomaly Detection

> **Why I fit the "Exception Monitor" Project:**
> You want to detect "stall detection" and "sequence anomalies" in logistics flows. This is technically identical to **Game Telemetry Analysis** (a project I led), where I analyzed sequences of timestamps and statuses to detect user patterns. I bring strong **Python** skills, statistical rigor to define "longer than normal", and a native trilingual background (FR/ES/EN) to support your international expansion.

## RELEVANT EXPERIENCE: ANOMALY & SEQUENCE ANALYSIS

### Telemetry Sequence Analysis (Overwatch Project)
`Python | Time Series`

- **The Challenge:** Analyzed massive logs of user actions (Timestamp + Status) similar to truck check-in flows.
- **Anomaly Detection:** Developed algorithms to identify "deviating process paths" (e.g., users stuck in a state) using statistical thresholds.
- **Relevance:** Directly transferable to your "Stall detection" and "Sequence anomaly detection" goals.

### Technical Benchmark & Tool Selection
`R&D | Autonomy`

- **The Challenge:** "Determining for yourself what works best."
- **Action:** Independently compared AI inference engines (vLLM vs SGLang). Designed the test protocol, executed benchmarks, and selected the optimal tech stack.
- Demonstrates the **autonomy** required to work under your Engineering Director.

### Data Pipeline Engineering
`ETL | SQL | Data Processing`

- Built robust pipelines to clean and process data before modeling.
- Experience handling missing data and timestamps, critical for accurate "time-based exception" modeling.

## EDUCATION

### B.U.T. Statistics and Business Intelligence (STID)
`2022 – Present | France`

- Focus on **Statistical Modeling** and **Machine Learning**.
- Equivalent to a Bachelor's Degree.

## WHY HIRE A NON-DUTCH SPEAKER?

While I am currently learning the basics of Dutch, my **Native French** and **Native Spanish** are key assets for interacting with logistics clients in France (e.g., Saint-Gobain) and across Europe. My technical language is Python, and I am fully operational in English.