



- Spanish National (Local)
- Relocating to Sant Cugat
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## TECHNICAL SKILLS

### Python Scripting

Pandas, NumPy, Automation

### Data Visualization

Power BI, Matplotlib

### Process Monitoring

Telemetry Analysis, Logs

### Database

SQL, Data Cleaning

## LANGUAGES

**Spanish:** Native

**French:** Native

**English:** Fluent (C1)

# Zakaria Hansali

DATA ANALYTICS INTERN | R&D PROCESS CONTROL

### Why I fit the 3D Metals R&D Team:

You need to "integrate telemetry systems" and "monitor critical process parameters." I specialize in **Telemetry Analysis** (Log processing) and **System Benchmarking**. I bring the Python scripting skills to develop monitoring tools and the analytical mindset to optimize yield. Plus, I am a **Spanish National** ready to join the Sant Cugat team.

## R&D & PROCESS ANALYSIS PROJECTS

### Telemetry System Log Analysis

Python | Time-Series

- Relevance:** "Integrate telemetry systems for real-time insights."
- Action:** Engineered a Python pipeline to process high-frequency telemetry logs (Time-stamps, Action parameters, Status).
- Analysis:** Identified anomalies and process deviations in massive datasets, directly transferable to monitoring **3D printing parameters**.

### System Performance & Yield Benchmarking

Process Control | Optimization

- Relevance:** "Identify, monitor, and control key process parameters."
- Action:** Designed a rigorous testing protocol to benchmark computing systems (vLLM vs SGLang).
- Metrics:** Monitored critical parameters (Latency, Throughput) to optimize system yield. This "test and measure" approach is crucial for **3D Metals yield objectives**.

### Visual Reporting & Infrastructure

Power BI | Automation

- Relevance:** "Create visual reports and enable basic data reporting infrastructure."
- Action:** Built automated dashboards (Power BI) connected to raw data sources to report KPIs to engineering teams.
- Outcome:** Streamlined data flow from raw logs to actionable visual insights.

## EDUCATION

### B.U.T. Statistics and Business Intelligence (STID)

2022 - Present | France

- Focus on **Statistical Process Control**, **Data Mining**, and **Programming**.
- Final year internship application.