

Zakaria Hansali

DATA ANALYTICS INTERN | R&D PROCESS CONTROL

- ✉️ 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)

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.