# ABDULRAHMAN SULU-GAMBARI


**AI Business Intelligence Analyst | AI Project Manager**

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## PROFILE

Senior Business Intelligence Analyst with several years in data, analytics and IT delivery. I currently lead a 2-person BI team owning 25+ executive dashboards, GA4 analytics and automated reporting pipelines. I have added AI project management to that BI base and am certified by neuefische GmbH (2026), where I delivered four end-to-end AI/ML projects. These include a predictive quality-control model for a **TU Berlin research lab** and a permission-aware **RAG agent** with human-in-the-loop approval. I scope ambiguous problems into measurable success criteria, set release thresholds *before* results are in, and report limitations as plainly as wins.

> **93% of unseen runs correct, 5/5 faulty runs caught (SpecTune, lab client) | 0 release blockers across 53 scored agent runs (Northstar) | −24% prediction error vs. baseline (Tunisair) | 25+ dashboards, −20% manual reporting time (Element)**

## CORE SKILLS

**AI Product & Project Management**
AI/ML Project Lifecycle & Roadmapping • Discovery, Product Briefs & User Stories • Feasibility Analysis & Work Breakdown • Stakeholder & Client Management • RACI / Team Charters • Agile/Scrum/Kanban (GitHub Projects) • OKRs & KPIs • Release Criteria & Go/No-Go Decisions • Retrospectives • GDPR & EU AI Act

**Applied AI, ML & Evaluation**
RAG & Hybrid Retrieval (Chroma) • Tool-calling LLM Agents (Groq, OpenRouter) • Prompt Engineering • Human-in-the-Loop Approval Design • Evaluation Harnesses & Threat Modelling • Cost-sensitive Classification • scikit-learn • AutoGluon • XGBoost • Hugging Face • AI-assisted Development (Claude Code)

**Engineering & MLOps**
Python • SQL • FastAPI • Streamlit • Docker / Compose • GitHub Actions & pre-commit Guardrails • uv • PostgreSQL • Model Versioning & Export

**BI, Analytics & Data Management**
Power BI • Microsoft Fabric • Tableau • SAP SAC • Looker Studio • Metabase • Adobe Analytics • CRMA+ • GA4 & Google Tag Manager • A/B Testing • ETL & Data Integration • Azure • BigQuery • Funnel.io • Power Automate • Zapier • BPMN • UML • ArchiMate

## SELECTED AI PROJECTS

**SpecTune: Predictive QC for Mass Spectrometry** — Capstone for Rappsilber Lab, TU Berlin
*Sep – Oct 2026 | Team of 3 | Role: Data & Modelling Lead, owner of MVP and roadmap*

- **Problem:** Lab analysts checked every weekly instrument run by hand against SOP thresholds, which was slow and led to inconsistent decisions. SpecTune answers “is the machine ready for today’s samples?” from the raw signal alone, before any samples are spent.
- **Data pipeline:** Built *SpecXtract*, a Python tool that turns ~300 GB of Thermo .raw files into per-scan and per-run QC features. It pulls files straight from the lab’s cloud share and runs extractions in parallel (−36% runtime). Output matched the lab’s reference tool 100% across 2,959 MS1 and 362,120 MS2 scans.
- **Model and results:** Compared 4 candidates (sparse and L2 logistic regression, random forest, AutoGluon) with cross-validation that held out whole days. Agreed a cost rule with the client: a missed faulty run counts 3× a false alarm. The chosen model (AUC 0.978) got 14 of 15 unseen runs right, caught all 5 faulty runs, and scored 8 of 8 on a sealed final test. The test set was small, and the report gives confidence intervals.
- **Delivery:** Froze model designs before building. Locked predictions before the lab revealed grades. Added CI and pre-commit checks that keep model files out of git. Published a versioned model on Hugging Face. Ran AI-assisted analysis with Claude Code, with a human approving each design.

**Northstar Release Coordinator: Permission-aware RAG Agent** — AI Agent Project
*Aug – Sep 2026 | Team of 2, led build (~90% of commits) |* github.com/sulugambari/ai-agent-project

- **Product:** Internal assistant that answers release-readiness questions by reconciling Slack, email, Markdown docs, a live GitHub repo and a SQLite database. It replaces a ~20-minute, 4-source manual lookup with one cited answer, and refuses when evidence is missing or access isn’t allowed.
- **Architecture:** Hybrid lexical + semantic retrieval with role-based filtering applied *before* scoring, so restricted records never reach the model. A bounded tool-calling agent (max 6 calls) can only *propose* actions, and a separate human approval executes them. Built with FastAPI, Streamlit, Chroma and Docker.
- **Evaluation and release:** Set thresholds before testing and chose the retrieval default from measured results (recall@6 = 1.00). Recorded 0 release blockers across 53 scored runs and passed 11 of 11 approval-gate checks. Warm p50/p95 latency was 11 s / 34 s against 30 s / 90 s targets. Packaged it to start from a clean one-command Docker setup in 24 s (16 of 16 checks). Signed the release decision (“demonstrate with explicit limitations”) and reported coverage gaps openly.

**Tunisair Flight-Delay Prediction** — ML Project (Zindi challenge)
*Jul 2026 | Team of 2 (majority of commits) |* github.com/AlexDeWilde/0721-ds-ml-project-template

- Predicted departure delay for 107,833 flights. Benchmarked 5 models with time-aware tuning. The tuned random forest cut error 24% against the baseline (RMSE 108.6 vs 142.0 min).
- Reframed the traveller-facing use case as a calibrated risk classifier (ROC-AUC 0.80 for delays of 15+ minutes) behind a Streamlit “Delay-Alert” app. Ran the 7-day sprint on a GitHub project board (31 issues, 15 PRs) and led the retrospective.

**King County Luxury Real-Estate Analysis** — EDA & Client Recommendation
*Jun 2026 | Team of 2*

- Analysed 21,597 home sales from PostgreSQL for a client persona and confirmed 4 buying hypotheses. Waterfront luxury homes carry a 106% price-per-sq-ft premium, and buying in summer saves an estimated $300–400K. Delivered a shortlist on interactive Plotly maps with a client deck.

## PROFESSIONAL EXPERIENCE

**Senior Business Intelligence Analyst** — ELEMENT Insurance AG
*Oct 2023 – Present | Berlin, Germany*

- **AI-Enabled Analytics & Reporting:** Lead a 2-person BI team, applying predictive analytics and automation to turn complex business requirements into forward-looking insights, recommendations and financial reports.
- **Advanced Data Visualization:** Design and maintain 25+ high-impact Power BI/Tableau dashboards that track company-wide KPIs and trends, structured to support predictive and automated reporting.
- **Web Analytics & Insights:** Own GA4 tracking and analysis. Deeper customer-journey analysis drove a 15% increase in conversion insight.
- **Data Pipeline Optimization:** Partner with data engineers to redesign and automate pipeline workflows. Cut manual reporting time by 20% while protecting data accuracy and uptime.

**Business Intelligence and Analytics Manager** — Front Row
*May 2021 – Sep 2023 | Hamburg, Germany*

- **Enterprise Solution Delivery:** Implemented BI and data management solutions for global brands (Unilever, Deutsche Bahn, Lucanet, Bitwarden, Lichtblick, Mammut), streamlining data collection and maximizing profitability.
- **Strategic Dashboard & Analytics Engineering:** Analyzed raw data and business requirements to build dashboards and reports that gave executives actionable insights and growth recommendations.
- **Process Optimization:** Continuously improved dashboards, data extraction and integration methods, and business workflows to raise operational efficiency.
- **Enablement & Documentation:** Wrote technical documentation and led user workshops on dashboards and web analytics implementation, reaching 95% user satisfaction.

**Earlier Career (2011 – 2021)**

- **IT Global Service Management Specialist, Röchling Automotive S.r.l.** (Nov 2020 – May 2021): Designed stakeholder-specific services and led adoption of an Enterprise Service Management (ESM) approach.
- **ERP Consultant, Asseco Solutions s.r.l.** (May 2019 – Dec 2019): Implemented SAP ERP projects for SMEs and built SAP Analytics Cloud dashboards for client business insights.
- **Digital Marketing Engineer, Alkyma** (Apr 2018 – Apr 2019): Created and ran content and campaign strategies across web, print and digital channels.
- **Medical IT Incidence Specialist, Becton Dickinson** (Apr 2016 – Apr 2017): Resolved software and hardware incidents on BD's automated "Pyxis" dispensing platform.
- **Technical Support Engineer, Lenovo Aus-NZ** (Jun 2015 – Apr 2016) and **Client Service Executive, SingTel (Scicom)** (Jun 2013 – Jun 2015): Resolved hardware and software issues through structured ticketing and built a knowledge base that cut resolution time.
- **Network Security Specialist (Intern), Red Sentry** (May 2011 – Sep 2011): Configured firewalls, IDS/IPS and secure remote access, and wrote network security policies and procedures.

## EDUCATION

**Specialisation in Artificial Intelligence Project Management**
neuefische GmbH — Berlin, Germany | May – Oct 2026
*Python/SQL/EDA, ML (regression to neural networks), Agile PM (stakeholders, user stories, estimation, roadmapping, OKRs/KPIs, A/B testing), AI architecture, GDPR & EU AI Act, applied GenAI (prompting, RAG, local LLMs, agents). Projects above.*

**Master's in Computational Data Science Management**
University of Bozen-Bolzano — Bozen-Bolzano, Italy

**Bachelor of Information Technology Management**
Multimedia University — Melaka, Malaysia

## CERTIFICATES

- AI Project Management – neuefische GmbH (2026)
- Data Modeling for Microsoft Power BI – SQLBI Certified
- Tableau Certified Data Analyst

## LANGUAGES

English — Native/Bilingual (C2) | Italian — Fluent (C1) | German — Conversational (B1)