

SHARON BODDU

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PROFESSIONAL SUMMARY

Motivated Junior Data Analyst with a BSc (Hons) in Computer Science and experience supporting reporting, analytics, and process improvement within a large enterprise environment. Skilled in Tableau, Power BI, SQL, Python, Excel, and data visualisation, with a strong ability to transform complex datasets into actionable business insights. Experienced in KPI reporting, dashboard development, data validation, and stakeholder communication. Passionate about using data-driven approaches to improve performance, decision-making, and operational efficiency.

EDUCATION

BSc (Hons) Computer Science, University of Chester | 2022 – 2026

Relevant modules: Data Analytics, Artificial Intelligence and Machine Learning, Data Warehousing, System Analysis, Software Development

TECHNICAL SKILLS

Data Analytics & Business Intelligence – Tableau, SQL (MySQL), Microsoft Excel (Pivot Tables, Lookups, Automation), Python (Pandas, Scikit-learn), Power BI (DAX, Power Query)

Data Management – Data Modelling, ETL Processes, Data Validation, KPI Reporting, Root Cause Analysis, Statistical Analysis, Data Cleansing, User Evaluation (System Usability Scale)

Backend & API Development – REST API design, API integration, data ingestion

Platforms and Technologies – Salesforce, SAP, AWS, Google Gemini API, React.js, Node.js, Express.js

PROFESSIONAL EXPERIENCE

Junior Data and Reporting Analyst – Customer Operations

Tata Steel Europe | April 2025 – Present

- Analysed invoice discrepancies by cross-referencing order error trends, complaint data, and pricing information to identify unauthorised discounts and manual input issues across international accounts.
- Assisted in investigating order processing delays and identified fragmented regional pricing structures as a key contributing factor.
- Supported the consolidation of pricing datasets into a more standardised reporting model.
- Built and maintained Tableau dashboards tracking commercial KPIs, dispute trends, and sales pipeline performance.
- Produced daily, weekly, and monthly performance reports for senior stakeholders.
- Configured Stratix to generate automated daily replenishment reports highlighting stock levels below three tonnes, eliminating manual monitoring processes.
- Collaborated with commercial and operational teams to translate business requirements into scalable reporting solutions.

PROJECTS

CareNav – AI-Based NHS Self-Triage System | 2025 - 2026

- Designed and built an AI-powered self-triage web application using NHS Digital prevalence data and NHS England guidance.
- Developed a 60-condition clinical framework across 9 symptom categories using evidence-based selection criteria.
- Conducted comparative analysis of five healthcare chatbot platforms to identify gaps in integrated digital triage.
- Designed and ran a user study (n=12) using the System Usability Scale (SUS), achieving a score of 68/100 and 100% routing accuracy.
- Built a full-stack application using React, Node.js, and Express, integrating the Google Gemini API via REST endpoints.
- Implemented a GDPR-compliant, zero-data-retention backend architecture.
- Produced data-driven projections showing potential reductions in non-urgent A&E attendance and associated cost savings.

Cardiac Risk Prediction – Data Warehouse & Machine Learning Analysis | 2024 - 2025

- Built an AWS-based data warehouse using S3 and Redshift with structured ETL pipelines and dimensional modelling.
- Applied C4.5 and CART decision-tree algorithms to the Cleveland Heart Disease dataset.
- Reduced model complexity by 74% through pruning while maintaining 82% classification accuracy.
- Conducted feature importance analysis, identifying key clinical predictors aligned with established medical indicators.
- Evaluated model trade-offs in a healthcare context to prioritise clinical appropriateness.
- Visualised results using Tableau and Python (scikit-learn, cross-validation, one-hot encoding).