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Professional Summary

Data & Business Analyst with an MSc in Business Analytics and 5 years of operational experience. Skilled in SQL, Python, and Power BI to deliver actionable insights, process optimisation, and automation. Demonstrated ability to translate data into business impact — achieved 25% downtime reduction and 15% efficiency gains through analytics-driven decisions. Adept at stakeholder collaboration, KPI development, and presenting clear insights that support data-informed strategies across retail, insurance, and software domains.

Key Skills

- Data & BI Tools: SQL (joins, CTEs), Power BI (DAX, Power Query), Excel (VBA, Power Pivot), Tableau, Data Validation & Profiling
- Programming & Analysis: Python (pandas, NumPy, matplotlib), ETL, Data Wrangling, Forecasting, KPI Design, Root Cause Analysis
- Business Analysis & Governance: Requirements Gathering & Documentation (BRD/FSD), Process Mapping, Gap Analysis, Stakeholder Engagement, Agile Delivery, UAT Testing, Data Governance & GDPR Compliance, Audit Readiness
- Cloud & Automation: AWS, Azure, Docker, Kubernetes (for automation & analytics deployment), IoT Integrations
- Technical Tools: HTML, CSS, Django, JavaScript, Linux (systemd, networking)
- Soft Skills: Communication, Collaboration, Problem-Solving, Change Management, Cross-Functional Coordination

Professional Experience

Barista (Data & Operations Focus) — Costa Coffee, Lucan, Ireland

Oct 2024 – Present

- Developed a Power BI sales & workflow tracker, increasing transaction efficiency by 15%.
- Analysed footfall vs. staffing data to optimise schedules and improve service quality.
- Implemented daily KPI dashboards to visualise productivity and throughput for shift leads.
- Built a custom model to forecast deli stock ordering, reducing wastage by 10% within one month.

Electrical Engineer (Data Automation & Reliability) — GAWAR Construction Ltd, Gurgaon, India

Apr 2017 – Aug 2024

- Designed low-voltage automation and predictive maintenance analytics using Python, reducing downtime by 25%.
- Integrated IoT sensors for equipment monitoring, achieving 99.6% system uptime.
- Created data-driven maintenance schedules to improve asset life-cycle efficiency.

- Conducted root-cause analysis of equipment failures and automated compliance logs for preventive maintenance.

Operations & Data Lead (School Administration) — Shree Sai Public School, Haryana, India

Apr 2016 – Apr 2017

- Automated academic and resource scheduling using Excel macros, reducing utility costs by 20%.
- Designed KPI dashboards and digital attendance systems, standardising reporting for 1,200 students.
- Collaborated with cross-functional teams to analyse operational data and streamline workflows.

Academic Projects

AI4EU – Smart AI Orchestrator for EIR Grid (EU-funded)

- Designed and deployed a multi-node orchestrator using Kafka, Kubernetes, and gRPC to process live EIR Grid data.
- Implemented modular ingestion for scalability and fault tolerance across 25+ nodes.
- Built real-time dashboards for asset monitoring and crash detection, improving observability and response time.
- Standardised orchestration for sequential and parallel flows, improving throughput.
- Enabled automated Helm-based Kubernetes deployment for reproducible setups.

Falcon 9 Launch Classification Model

- Applied logistic regression in Python on historical launch data to predict success probabilities.
- Delivered validated insights through feature analysis using pandas and scikit-learn.

Education

MSc Business Analytics – Maynooth University, Ireland | Sep 2024 – Sep 2025

Key Modules: Data Warehousing (82%), Business Process Optimisation (78%), Strategic Management (75%)

B.Tech Electrical & Electronics Engineering – Manipal Institute of Technology, India | Jun 2011 – Jun 2015

Certifications

- IBM Data Science & Analytics Suite (Machine Learning Honors, Tableau, Data Analytics)
- RapidMiner Professional
- Macquarie Excel
- SAP Business Analyst (Ongoing)

Volunteering & Leadership

Organiser – Engifest, Software Society of Engineers | Jun 2012 – Sep 2013

Hackerearth Campus Ambassador | Jun 2013 – Oct 2014