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PROFESSIONAL SUMMARY

Senior Data Engineer & Analytics Specialist with over **6.5 years of experience** leading end-to-end BI delivery, ETL pipeline design, and cloud transformations for global financial services clients including HDFC and American Express. Currently completing an **MSc in Data Analytics (First-Class Honors 1.1)** at Dublin Business School, specializing in scalable data warehousing and automated machine learning integration. Proven track record in migrating legacy systems to **Qlik Cloud (SaaS)** and building robust SQL-based data models to ensure audit-ready data integrity and strategic business value.

CORE SKILLS

Data Engineering & BI:

ETL Pipeline Design , SQL (Standard/BigQuery) , Data Modeling (Star/Snowflake) , SSIS , Qlik Sense (QSDA Certified) , Qlik Cloud (SaaS) , Power BI, and Tableau.

Strategy & Governance:

Data Governance Controls , Risk & Regulatory Reporting , Stakeholder Management , KPI Architecture , and Agile/Scrum Methodologies.

Programming & AI/ML:

Python (Pandas, Scikit-Learn) , Machine Learning (Random Forest, K-Means Clustering) , Deep Learning (CNN, TensorFlow/Keras/PyTorch) , Anomaly Detection , and Predictive Forecasting.

Tools & Platforms:

Git , Azure , AWS Foundations (2025) , and JIRA

PROFESSIONAL EXPERIENCE

Senior Consultant | Qlik

05/2022 – 12/2024 | India

- **Cloud Data Migration:** Directed the migration of mission-critical analytics from legacy on-premises systems to **Qlik Cloud (SaaS)** for global accounts including Herc Rentals and American Express.
- **ETL & Pipeline Engineering:** Engineered automated **QVD pipelines** and developed Python scripts to replace manual reporting workflows, significantly reducing data refresh latency.
- **Risk & Regulatory Analytics:** Led the design of "BUR" (Business Unit Reporting) systems and Pro Control Reports to track critical risk thresholds and financial performance.
- **AI/ML Integration:** Integrated **Python-based ML models** into dashboards to automate anomaly detection for financial audits and KPI monitoring.
- **Stakeholder Management:** Acted as the lead technical liaison for global accounts, translating complex business requirements into precise **SQL logic** and KPI definitions.
- **Team Leadership:** Mentored a team of junior data analysts on BI modeling, dashboard design, and quality standards for client delivery.

Senior Officer - BI Developer | HDFC Limited

04/2020 – 04/2022 | India

- **Financial Reporting Automation:** Spearheaded the "LMS" (Loan Management System) analytics project, creating a unified view of Loans, Deposits, and Customer Complaints dashboard in QlikView & Qlik Sense.
- **Credit Risk Analysis:** Built **SQL-based data pipelines** to aggregate disparate financial data, serving as the "Single Source of Truth" for credit risk assessment.
- **Regulatory Compliance:** Automated the generation of critical regulatory reports, ensuring 100% accuracy and timeliness for submissions to banking authorities.
- **ETL Design & Maintenance:** Designed and maintained SQL-based ETL pipelines for financial data integrity, reconciliation, and lineage tracking.

- **Infrastructure Management:** Monitored daily reloads, managed user access (CAL assignments), and oversaw production server deployments.

Software Engineer | Melstar Technologies

10/2018 – 03/2020 | India

- **Financial Audit Analytics:** Developed analytical dashboards to track Non-Performing Assets (NPA) and financial audit data to identify bad loan trends early.
- **Data Modeling:** Designed core BI data models (Star/Snowflake schemas) using **Qlik Scripting** to support audit evidence and regulatory requirements.
- **Data Quality Assurance:** Conducted rigorous **SQL data validation** to ensure 100% alignment between BI outputs and source banking systems.
- **Automated Reporting:** Managed the delivery of automated reports via **NPrinting**, strengthening the reliability of internal audit communications.

EDUCATION

MSc in Data Analytics | Dublin Business School

Jan–2026 | Ireland

- **Grade:** Currently on track for **First-Class Honors (1.1)** with a provisional average of **79%**.
- **Top Modules:** Data Storage Solutions (**90%**), Machine Learning (**84%**), Statistics (**84%**), and Cloud Analytics.

Bachelor of Engineering - EXTC | DJ Sanghvi College of Engineering

Sept–2017 | India

PROJECTS (ML & DATA ANALYTICS)

Applied Research: Esophageal Cancer Detection (Deep Learning)

- Developed a hybrid model integrating an **EfficientNet-B0** backbone with a **6-qubit Variational Quantum Circuit**, achieving **95.98% accuracy** in esophageal cancer classification.
- Engineered a "**Quantum Bottleneck**" that improved sensitivity for early-stage **Dysplasia to 94.3%** and increased model robustness against clinical **speckle noise by 1.32%**.

Customer Retention & Growth Modelling (Python/Machine Learning)

- Developed a **Random Forest Classifier** using Scikit-Learn to identify at-risk customers with **85% model accuracy**.
- Performed feature engineering on user behavior data to provide actionable retention strategies for stakeholders

Workforce Trends & Operational Analysis (Power BI/Clustering)

- Created interactive executive dashboards in Power BI to analyze remote work trends and employee well-being.
- Utilized **K-Means Clustering** algorithms to segment workforce demographics, enabling data-driven HR policy strategy.

Financial Modelling & Data Warehouse – Retail (SQL + SSIS + Tableau)

- Architected a complete data warehouse schema and built a forecasting model to visualize demand trends.
- Developed Tableau dashboards to track regional performance and optimize inventory management.

CERTIFICATIONS

- Qlik Sense Data Architect - QSDA Certified
- AWS Educate Machine Learning Foundations - Completed in 2025