DHRUMIL PATEL

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EDUCATION

University of Florida, Gainesville, Florida, USA   **Aug 2024 – May 2026**
Master of Science in Information Systems and Operations Management, GPA: 3.85
University of Mumbai, Mumbai, India   **Aug 2019 – May 2023**
Bachelor of Technology in Electronics and Telecommunication, GPA: 3.65

WORK EXPERIENCE

MTF Biologics, Technical Data Analyst Intern, Edison, NJ   **Jun 2025 – Aug 2025**
- Performed exploratory data analysis on 76,000+ donor records using advanced Excel, segmenting 18+ rejection outcome categories to quantify and validate reimbursement decisions for organs valued at $1.75M.
- Designed and presented Power BI dashboards leveraging DAX measures to explain key tissue rejection root causes, leading to revised procurement policies that increased processing capacity by 300 additional tissues per day.
- Created a Python automation pipeline using Hugging Face GenAI models to classify rejection outcomes and generate structured reports, reducing manual processing and improving classification accuracy by 45%.
- Executed data migration across 10 critical reports by rewriting and validating SQL logic to align with the new schema design, maintaining 100% data accuracy and consistency post-deployment.
- Consolidated 3 SSRS reports across two systems into a unified SQL-based report with summary tables, eliminating dual-system access and reducing report retrieval time by 70%, improving operational efficiency for 36 stakeholders.
- Generated 1,000+ synthetic test records to simulate production scenarios, uncovering 18+ hidden schema and reporting issues that were resolved pre-deployment for a new product database migration.

University of Florida Information Technology, Risk Analyst Intern, Gainesville, FL   **Aug 2024 – May 2025**
- Managed and automated tracking of 120+ cybersecurity risk assessment projects in Excel (Pivot Tables, conditional logic), increasing monthly project completion rates from 58% to 82%.
- Evaluated cybersecurity risks for new software implementations and presented findings to stakeholders through 5+ Tableau dashboards, translating complex technical risk metrics into clear, actionable insights that reduced decision-making time by 4 days.
- Participated in stakeholder meetings, contributing to discussions on IT risk, process optimization, and compliance strategies.

Oracle, Associate Consultant, Mumbai, India   **Jun 2023 – Jul 2024**
- Designed a data pipeline to ingest data into the data lake using Apache Kafka and Solace, ensuring latency of less than 50ms.
- Visualized audit log data using Power BI and presented findings to stakeholders to identify and investigate unauthorized inquiries on more than 1.5 million customer accounts.
- Optimized PL/SQL functions by eliminating redundant constraints, restructuring correlated subqueries into indexed joins and optimizing execution logic, resulting in a 40-minute reduction in EOD batch runtime.
- Developed PL/SQL stored procedures to generate customer monthly banking statements, processing 100,000+ daily executions.
- Engineered Java APIs for banking operations, using JDBC to execute database writes and reads across 1 million records per day.
- Implemented SQL queries to resolve inefficient data retrieval for user-driven searches, improving response accuracy to 95%
- Resolved 50+ JIRA requests with cross-functional testing teams, improving product functionality and performance by 45%.
- Partnered with cross-functional teams to translate banking process requirements into technical solutions, reducing post-deployment change requests by 20% and improving implementation efficiency.

PROJECTS

Data Pipeline Automation with Airflow and Data Fusion   **Aug 2025**
- Built an ETL pipeline on Google Cloud with Data Fusion & Airflow, automating data flow into BigQuery for scalable analytics.
- Developed secure data workflows with masking and visualized insights in Looker Studio, enabling efficient data analysis.

US Data Breaches Data Analysis Using Python   **Jul 2024**
- Used Python (Pandas, Matplotlib, Seaborn) to create visualizations and reports, identifying 15+ industry-specific vulnerabilities.
- Presented analysis findings in clear, relatable language, using storytelling to make insights engaging and actionable.

SKILLS & TOOLS
- **Programming & Query Languages**: Java, Python, JavaScript, SQL, Oracle PL/SQL, R Programming, XML, CyberQuery
- **Data Engineering & Processing**: ETL/ELT Pipelines, Data Cleaning, Apache Spark, Apache Kafka, Apache Solace, Snowflake
- **Analytics, BI & Reporting**: Power BI, Tableau, Oracle BI Publisher, Microsoft Report Builder, KPI Definition & Tracking.
- **Cloud & Platforms**: Amazon AWS, Microsoft Azure
- **Productivity & Data Tools:** Microsoft Excel (VLOOKUP, Pivot Tables, Macros), Microsoft Office Suite
- **Project Management & Professional Skills:** Agile/Scrum (JIRA, Confluence), stakeholder & client management