Radhika Dubey

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SKILLS & CERTIFICATIONS

Data Analysis & Processing: Regression Analysis, Hypothesis Testing, Statistical Analysis, KPI Development, Metric Definition, ETL
Data Visualization & Tools: Tableau, Power BI, Excel (Advanced), Google Analytics, Silktide, Seaborn, Jira, Confluence, Data Modeling
Programming & Technologies: Python, SQL, R, T-SQL, PL/SQL, C#, JavaScript, HTML, NumPy, Pandas, Scikit-learn, Matplotlib
Certifications: AWS Certified Cloud Practitioner, Microsoft Azure Fundamentals, Alteryx Designer Core

EDUCATION

Master of Science in Information Technology and Management, The University of Texas at Dallas **May 2025** | GPA: 3.75
Master of Science in Computer Science, Banasthali University **May 2021 |** GPA: 3.50

EXPERIENCE

Business Analyst **Jan 2023 – Jun 2023 & Jan 2020 – Dec 2020**
Satish Cold Storage | Uttar Pradesh, India

- Refined inventory strategies by analyzing client purchasing trends using Excel and SQL, increasing profit margins by 40% across cold storage operations.
- Built time-series forecasting models in Python to optimize inventory planning, reducing waste by 35% and achieving a 95% order fulfillment rate.
- Automated ETL pipelines for financial reporting using Python and SQL, saving over 200 hours annually and improving data accuracy by 25%.
- Documented end-to-end workflows for inventory management and forecasting logic, improving cross-team onboarding and reducing knowledge transfer time.
- Developed and managed scalable ETL workflows for sales and vendor data using SQL and Pandas, reducing manual errors by 30% and enabling on-time analytics delivery.

Data Analyst **Jul 2021 – Dec 2022**
TATA Consultancy Services | Noida, India

- Integrated 10+ third-party services via RESTful APIs for a financial client, generating $0.5M in operational efficiency and streamlining data exchange.
- Reduced SQL query latency by 30% by optimizing queries and implementing Elasticsearch for accelerated data retrieval across enterprise systems.
- Designed dimensional data models using star schema techniques in collaboration with cross-functional teams, boosting analytics efficiency by 30%.
- Established scalable data quality checks and validation pipelines using Python and SQL, lowering reporting errors by 20% and improving stakeholder trust.
- Built robust ETL pipelines for ingesting customer interaction and product data, enabling near real-time analytics and supporting high-scale reporting use cases.

Data Analyst Intern
Brainmobi Technology Pvt. Ltd. | Noida, India **Jan 2021 – June 2021**

- Developed and documented dimensional data models in collaboration with product and marketing teams, improving cross-functional data accessibility by 30%.
- Implemented data validation pipelines and QA checks using Python and SQL, reducing reporting inconsistencies by 20% across stakeholder dashboards.
- Drafted internal documentation covering data validation logic, database schemas, and dashboard usage guides to support non-technical stakeholders.
- Built ETL scripts to ingest marketing and user behavior data from various sources, increasing dashboard refresh frequency from weekly to daily for real-time insights.

ACADEMIC PROJECT EXPERIENCE - Full project code available at: (https://github.com/RadhikaWomenTech)

COVID-19 Vaccination & Hospital Data Visualization Project **January 2024 - April 2024**

- Created interactive Tableau dashboards and cleaned vaccination datasets in Excel, increasing user engagement by 25% through intuitive visual storytelling.
- Conducted statistical analysis and hypothesis testing in Python to reveal vaccination trends, delivering actionable insights that supported public health decisions.

Truck Fleet Metrics Analysis | Cloudera Hadoop, Apache Spark, Impala, Sqoop **January 2024 - April 2024**

- Built a distributed data pipeline using Hadoop/Spark to identify delivery inefficiencies, improving planning recommendations by 25%.
- Executed ETL workflows and SQL queries across Hadoop clusters using Spark, Impala, and Sqoop to analyze fleet performance metrics and identify operational bottlenecks.

Financial Index Data Analysis & Visualization | Python, Django, MySQL. **August 2023 - December 2023**

- Streamlined a Python pipeline to process 10,000+ financial records using statistical imputation to enhance data quality.
- Crafted interactive Pandas/Matplotlib visualizations to communicate complex financial patterns to non-technical stakeholders.