

# Krishna Apurva

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## EDUCATION

### Master of Science, Business Analytics and Artificial Intelligence

May 2025

The University of Texas at Dallas

GPA: 3.9/4.0

Coursework – AWS Cloud Analytics, Big Data, Predictive Analytics, Machine Learning, Advanced Statistics

### Bachelor of Technology, Information Technology

May 2020

Medicaps University

GPA: 3.6/4.0

## SKILLS

|                        |  |
|------------------------|--|
| <b>Languages:</b>      | Python, R, SQL, PySpark, Linux   |
| <b>Databases:</b>      | PostgreSQL, MySQL, MongoDB, NoSQL, Teradata, Azure Data Lake Storage (ADLS)            |
| <b>ETL:</b>            | Apache Airflow, Talend, Data Build Tool (dbt), Azure (Data Factory, Synapse Analytics) |
| <b>ML Algorithms:</b>  | Regression, Classification, Clustering, Neural network, ANN                            |
| <b>Data Analytics:</b> | Tableau, Power BI, MS Excel, Statistical Analysis, A/B Testing                         |
| <b>DevOps Tools:</b>   | Docker, Kubernetes, Jenkins, Git   |
| <b>Certifications:</b> | AWS Academy Graduate Data Engineer   |

## PROFESSIONAL EXPERIENCE

### Data Engineer | Innova Solutions

May 2021 - June 2023

- Optimized data ingestion flow into Teradata, increasing throughput by 25% and enabling faster query performance using stored procedures, CTEs, and partitioning
- Engineered ETL workflows in Talend with parallel processing and incremental loading, reducing data processing time by 20% to speed up payment processing while ensuring accurate and timely financial reporting
- Built a Talend ETL pipeline to transform and load data into a Data warehouse, creating structured views that provide fast access to 24 months of historical data, accelerating business decision-making
- Boosted PostgreSQL query performance by tuning SQL queries and adding indexes, resulting in faster data retrieval and enhanced ETL efficiency
- Developed a data validation framework in Talend, enforcing schema compliance and lookup validations, reducing data discrepancies by 70% before transformation, and strengthening data quality
- Containerized the ETL pipeline with Docker, improving deployment efficiency, ensuring consistency across virtual environments, and enabling seamless scalability to handle future data growth

### Data Engineer | JJ Enterprises

June 2020 - May 2021

- Orchestrated an automated data pipeline using Apache Airflow, Python, and Data Build Tool (dbt), minimizing manual processing time and enabling real-time analytics for sales and customer insights
- Designed Tableau dashboards to monitor KPIs across 700K+ sales transactions, refining inventory planning and pricing strategy, driving a 10% rise in business revenue
- Applied K-means clustering to segment 6k+ customers based on purchase patterns, leading to a 15% growth in repeat purchases through personalized marketing
- Collaborated with sales and marketing teams to analyze customer feedback and conducted data-driven market research to introduce new products, resulting in an 8% increase in quarterly revenue

### ML Engineer Intern | Medicaps University

June 2019 - August 2019

- Leveraged OpenCV for accurate identification and tracking of individuals and moving objects, enabling real-time monitoring of suspicious activities with 75% accuracy

## PROJECTS

### Olist E-commerce Azure Data Pipeline (ADF, ADLS, Databricks, Synapse Analytics, MongoDB, MySQL)

- Designed a scalable Azure data pipeline using ADF, Databricks, and Synapse, leveraging Medallion architecture to process 1M+ records, optimize storage with ADLS, and enable real-time analytics with Synapse and Tableau

### Car Insurance Claim Prediction (R, Model - Regression, Random Forest, Decision Trees, Neural Network)

- Implemented various ML models to predict car insurance claims, achieving 82% accuracy and 61% AUC while addressing class imbalance using oversampling techniques for improved model performance

## HONORS AND ACHIEVEMENTS

**Dean's Meritorious Scholarship:** Awarded for exceptional academic excellence and leadership in management

**High Distinction Scholar:** Graduating with outstanding performance throughout the master's program

**Top 1% of 500 groups:** Finalist in the national-level Smart India Hackathon