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EDUCATION

The University of Texas at Dallas

Master of Science, Information Technology and Management

May 2025

GPA 3.56

Coursework: Python (OOP), Big Data, Data Warehousing, Data Visualization, Cloud Computing, Statistics, Database, Project Management, Strategic Leadership, Marketing, Organizing for Business Analytics, Digital Consulting

Visvesvaraya Technological University, India

Bachelor of Engineering, Electronics and Communication Engineering

August 2021

GPA 3.2

PROFESSIONAL EXPERIENCE

Nuvento Inc, New Jersey, United States

February 2025 – Present

Software Engineer Intern

- Modeled school attendance datasets on the Plydish dashboard, eliminating redundancy by 40% by optimizing schema design
- Prototyped an AI-powered chatbot using LangChain and FAISS to address 150+ school-specific FAQs and extract insights from uploaded documents, simplifying access for non-technical users
- Streamlined a legacy AWS data pipeline by designing an Airflow-orchestrated ETL process for continuous ingestion and delivery across 10+ performance dashboards, reducing data lag by 35%

Cognizant Technology Solutions, India

April 2022 – July 2023

Data Analyst II

- Automated recurring reports using Power Automate and Power Apps, saving 11 hours per week across operations
- Managed 9 operational dashboards and implemented anomaly detection in reports to identify cost irregularities in real time
- Structured project tracking data into a star schema and scaled processing in Databricks, reducing report latency by 40%
- Created Python multiprocessing scripts to run parallel validations on 500K+ entries, slashing QA time by 90%
- Led and mentored 3 interns on KPI tracking and dashboard enhancements and supported Agile sprint planning, facilitating collaboration and deliverable clarity

Cognizant Technology Solutions, India

July 2021 – March 2022

Data Analyst I

- Resolved Power BI-related ServiceNow tickets, enhancing SLA compliance and reducing downtime by 40%
- Optimized SQL queries and applied indexing strategies in MySQL, cutting report load times from 32s to 10s
- Migrated 10+ Excel-based trackers into centralized Power BI reports, enhancing stakeholder visibility across delivery centers
- Performed EDA on 20+ structured datasets leveraging Python and BI tools, applying statistical analysis to identify early delivery anomalies for a Fortune 500 energy client

Unique Tech Designs, India

August 2020 – September 2020

Data Analyst Intern

- Analyzed 10K+ sensor records from IoT-enabled PCB prototypes with Excel PivotTables to simplify diagnostics
- Collaborated with 12 engineers to fine-tune early-stage debug log outputs for embedded devices
- Monitored engagement and telemetry via Google Analytics, contributing to a 20% increase in actionable user feedback

SKILLS

Programming: Python, SQL, MySQL, NoSQL, R, HTML, CSS

Libraries: Pandas, NumPy, Seaborn, Matplotlib, Scikit-learn, React, Hadoop, Apache Spark

Visualization & Tools: Power BI, Tableau, Advanced Excel, Google Analytics, DAX, Salesforce, Apache Kafka, Airflow, Looker, Cloud Data Fusion, Cloud Data Proc, Vertex AI, BigQuery, AWS, Athena, Redshift, Azure Data Factory, Databricks, Snowflake

Automation & Issue Tracking: Power Automate, PowerApps, ServiceNow, Jira

Practices: Data Analytics, Data Mining, A/B testing, Root Cause Analysis, KPI Tracking, Process Streamlining, Statistical Analysis

Certifications: Microsoft Azure Data Fundamentals, AWS Cloud Practitioner, Google Data Analytics, Data Fluency

PROJECT EXPERIENCE

Multi-Class Prediction of Cirrhosis Outcomes

- Built and evaluated a multi-class classification model on 10K liver patient records; achieved low log loss and logged experiments utilizing MLflow on Databricks

Real-Time Stock Data Pipeline with Kafka & AWS

- Developed a real-time stock data pipeline using Kafka on AWS EC2, with a Python producer streaming simulated market data to a consumer; stored data in S3, cataloged with AWS Glue and queried via Athena for real-time analytics