Lakshmi Ravi Chandra Talluri

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EDUCATION

University of North Texas (G. Brint Ryan College of Business)   **Denton, USA**
Master of Science in Business Analytics   **Aug 2022 – May 2024**
GPA: 3.35
Course Work: Data-Warehousing, Applied Statistics, Enterprise applications for business intelligence, DBMS, Relational databasePython,Data-visualization, Predictive analytics, Data Mining

National Institute of Technology Agartala   **Agartala, India**
Bachelor of Technology in Electronics and Communication Engineering   **Aug 2018-May 2022**
Course work: VLSI, Power Electronics, Analog Electronics, Digital Electronics, Semiconductors, Software-Development cycle, Data Structures and Algorithms

EXPERIENCE

Building a workflow on Databricks.
- Developed Real-Time Pipeline: Built an efficient real-time data pipeline in Databricks using Delta Live Tables, ensuring continuous data updates and high availability.
- Implemented Autoloader: Leveraged Autoloader for scalable and automated data ingestion, facilitating seamless data integration from multiple sources.
- Applied Advanced Functions: Utilized window functions for sophisticated data analytics and with Watermark to manage late-arriving data in streaming workflows.
- Optimized Performance: Enhanced pipeline performance through strategic partitioning, indexing, and caching, ensuring fast and reliable data processing.
- Established Monitoring: Set up comprehensive monitoring and automated maintenance routines to track pipeline performance and data quality effectively.

Supply chain Monitoring system.
- Orchestrated real-time supply chain transaction monitoring using advanced machine learning models and debugging the fraud.
- Implemented models in Python, assessing performance via key metrics like accuracy, F1 Score, ROC and Confusion Matrix.
- Detected potential outliers via kurtosis analysis, highlighting significant key performance Indicators and Design Specifications.
- Utilized hyperparameter tuning for Technical optimal model performance, eliminating defects and selection.
- Implemented risk management strategies based on model evaluations for transactions we got 99% accuracy in one of the models.
- Demonstrated expertise in data analysis, machine learning, and Python programming for Automation Production operations.

Data Mining on NBA Data
- Achieved 85% accuracy by preprocessing the NBA dataset, ensuring optimal cleanliness for analysis.
- Uncovered underlying trends and patterns through the NBA dataset's comprehensive Exploratory Data Analysis (EDA).
- Predicted NBA players' career spans using logistic regression, decision trees, and neural networks for durations exceeding 5 years.
- Neural networks algorithm showed superior predictive capabilities in Autonomy of evaluating model performances.
- Applied machine learning methodologies proficiently in analyzing sports data, specifically forecasting NBA player career.
- Generated actionable planning using advanced algorithms, aiding informed decision-making in NBA player career management.

Nuor   **Hyderabad, India**
Data Management Co-Ordinator Intern   **April 2021 – June 2021**
- Developed and migrated data from CDH to CDP in cloudera manager using Hadoop, with active services like Yarn, Hive.
- Led a team of 5 people in installation of cloudera manager and upgraded to the latest version..

SKILL SET

- *Programming skills*: Python, SQL, HTML, CSS, pyspark, Spark SQL, Hadoop
- *Operating Systems*: Linux, windows
- *Data-Visualization/Reporting skills*: QlikView, Tableau, Microsoft Power BI, SAS Data Miner, Excel, Power point
- *Big Data:* Databricks, Apache Spark, ETL, Data pipelines, Lakehouse, Data modeling and processing, Production, alerting, deployment, testing, security.

CERTIFICATIONS

Databricks Certified Data Engineer Professional: **Sep 2024 – Sep 2026**
- Expert in designing, building, and optimizing scalable data pipelines using Databricks and Apache Spark, with a strong grasp of data lakehouse architecture and real-time processing.
- Advanced Analytics and Data Management Proficient in integrating and transforming large datasets, leveraging Databricks notebooks for collaborative analysis, and ensuring data security and compliance.
  Credential id: 114179777