Trisha Chandur

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TECHNICAL SKILLS

- **Programming:** Python (Pandas, NumPy, scikit-learn, Matplotlib, TensorFlow, Pytorch), Jupyter Notebook, R (EDA/statistics)
- **SQL & Warehousing:** SQL (joins, CTEs, window functions), PostgreSQL, MySQL, Data Warehousing, Star schema
- **ETL & Data Modeling:** ETL pipelines, data modeling (relational & dimensional)
- **Analytics & Visualization**: Power BI, Tableau, Microsoft Excel (advanced functions), A/B testing, statistical analysis
- **Machine Learning / AI:** Classification, Clustering, Regression, NLP (text mining), Deep Learning, CNN, LLMs, RAG, Model Deployment
- **Cloud & Tools:** AWS (S3, SageMaker), GCP (Vertex AI), Databricks, Agile/Scrum, stakeholder communication, project management

RELEVANT EXPERIENCE

Research and Data Support Analyst| *University of North Texas*   Jan 2024 - Current

- Administered the Research Experience Program (REP) at the University of North Texas, supporting research initiatives and participant engagement.
- Prepared large-scale participant datasets by loading and cleaning REP SONA metadata with Pandas and NumPy in Jupyter Notebook on UNT's system, ensuring data integrity and consistency.
- Enhanced dataset quality and balance through exploratory data analysis (EDA) in Python, visualizing distributions with Matplotlib to identify skewness and improve reporting accuracy.
- Collaborating with researchers on model performance analysis, aligning insights with project goals to drive data-driven decisions.

BI and Automation Analyst | *Atlantic Aviation*   Jan 2025 – Aug 2025

- Built SQL-driven Metabase dashboards (SQL, Metabase, Power BI) for 110 FBOs, optimizing fuel purchasing decisions from inventory levels, gallons sold, and price trends, reducing costs by 15%.
- Identified pricing anomalies with Python (Pandas) and Excel, leading to a 15% reduction in average jet fuel purchase costs (≈ $3.5M annual savings).
- Automated monthly reporting processes by integrating Excel with Jet Fuel Reports using Power Automate, reducing manual work by 40% and cutting reporting time from 5 days to 3 days.
- Collaborated with cross-functional teams to embed live insights into sourcing workflows, driving faster decisions.

Customer Success Data Analyst | *Keka HR*   June 2023 – Dec 2023

- Guided clients through HRIS onboarding, setup, and training to ensure smooth adoption and long-term product value.
- Analyzed client usage data and feedback to improve engagement, address concerns, and support upselling opportunities.
- Created automated reporting templates using excel to reduce manual work and enhance client experience.

PROJECTS

Interactive Dashboards – UNT Police Department. (Capstone)   Aug 2025 - Current

- Designed Tableau dashboards integrating SQL & MongoDB pipelines to track calls for service, crime trends, and outreach operations.
- Improved resource allocation and operational monitoring by identifying high-risk hotspots.

Offline AI Hiring Resume Screener- UNT   Feb 2025 - Mar 2025

- Developed a local Streamlit app using MiniLM embeddings and Mistral-7B via RAG for explainable resume ranking and recruiter-style Q&A (LangChain, FAISS, Vertex AI).
- Reduced manual screening effort by **50%**, enabling private and transparent AI-assisted hiring.

Data Warehouse Project - Medallion Architecture- UNT   Dec 2024 – Feb 2025

- Built a SQL Server data warehouse with ETL pipelines, implementing Medallion architecture (Bronze > Silver > Gold) and star schema modeling.

EDUCATION

Master of Science | Business Analytics – Artificial Intelligence (GPA 3.9/4.0)   Jan 2024 - Dec 2025
Brint Ryan College of Business, University of North Texas   Dallas TX

Bachelor of Technology | Civil Engineering   Jul 2019 - Jun 2023
Osmania University   Hyderabad, IND