UDIT DHAND

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EDUCATION

The University of Texas at Austin, *M.S. in Business Analytics – Finance Track* | Austin, TX   April 2024
- **GPA**: 4.0
- **Relevant Coursework**: Advance Machine Learning, Unsupervised Learning, Unstructured Data Analytics, Network Analytics, Optimization, Advance Corporate Finance, Investment Theory, Empirical & Analytical Finance

Birla Institute of Technology and Science, *B.E in Manufacturing Engineering* | Pilani, India   July 2019
- **CGPA**: 8.57/10
- **Leadership Position**: Team Lead for the Mechanical and Thermal Subsystem of the College Nanosatellite Team

TECHNICAL SKILLS

- **Programming & Tools:** Python, R, T-SQL, Databricks, Apache Spark, Power BI, QlikView, IBM TM1, MATLAB.
- **ML Libraries:** Pandas, Matplotlib, TensorFlow & Keras, PyTorch, Scikit-learn, SciPy, NLTK, spaCy.
- **Certifications**: Azure Cloud (Architect, SQL Solutions, AI & Data Science Fundamentals), TM1 Planning Analytics.

WORK EXPERIENCE

US MED-EQUIP – *Capstone Project* | Austin, TX   January 2024 – Present
- Conducting financial analysis and optimization strategies for unit profitability using advanced data analytics techniques to assess revenue, cost drivers, and ROI for each medical equipment unit.

THOROGOOD ASSOCIATES – *Data and Analytics Consultant* | Bangalore, India   December 2020 - April 2023
Led the delivery of Business Intelligence (BI) solutions tailored for prominent Fortune 500 companies spanning Consumer Healthcare, Finance, and Real Estate sectors in both the UK and US markets.
- Spearheaded the implementation of a cloud-based data platform for client's Finance department using Azure Cloud and Agile development practices, resulting in improved data accessibility, reliability, and reporting.
- Oversaw data modeling and orchestration optimization efforts, resulting in a 60% increase in ingestion and retrieval performance across 8 data pipelines.
- Led specialized teams in creating data pipelines, warehouses, and reporting dashboards using Databricks, Azure SQL, and QlikView, resulting in a robust BI tool that uncovered key trends across Consumer Health brands and categories.
- Led offshore team in financial modeling for a US finance firm, leveraging TM1 Planning Analytics to build a tool that enabled informed strategic decisions on corporate office leases.

AMAZON – *Operations Manager* | Bangalore, India   July 2019 - November 2020
- Automated production planning activities for Outbound and Dock departments at a first mile logistics center.
- Directed end-to-end planning and execution of high-volume order events, achieving multiple business peaks for network, including the Great Indian Festival, Prime Day, and Super Value Day.
- Organized a team of over 300 people during peak operations in 2020; executing strategies to streamline warehouse processes and introducing tools to better supervise processes and people.
- Spearheaded cross-functional project to enhance recommended packaging compliance, resulting in 34% reduction in deviations over 8 weeks; leading to reduced damaged packages in the network.

PROJECTS

- **Computer Vision for Music Genre Classification**: Utilized Mel Spectrograms of audio to classify music into genres, employing Neural Network techniques such as CNNs, LSTMs, and self-attention.
- **Analysis of American Pizza Taste:** Scraped 100k Pizza Yelp reviews from various American cities and employed NLP techniques (sentiment, similarity, topic modeling) to establish customer taste preferences.