

# SHREYAS NELLORE

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## WORK EXPERIENCE

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- Business Analyst**, Dana Incorporated, Novi, Michigan May 2023 – Present
- Delivered \$5M+ in cost savings by consolidating overlapping engineering software licenses across BUs, leveraging Power BI dashboards to analyze usage patterns and inform strategic procurement decisions
  - Built Python automation using Selenium to scrape OpenLM license data, reducing manual collection effort (8 hours to 3-4 hours monthly) and enabling proactive monitoring of license usage and denials
  - Performed K-Means clustering analysis on 50K+ Teamcenter part numbers to support Off-Highway divestiture enabling leadership to efficiently classify division-specific components for asset transfer
  - Designed Power BI dashboards and automated ETL processes for 20M+ records, achieving 98% data accuracy and reducing refresh time by 30 minutes through Power Query and DAX optimization
  - Forecasted license usage with 90% accuracy using regression modeling on historical data from OpenLM.
- Data and AI Consultant**, Thorogood Associates, Bangalore, India Jan 2020 – Aug 2022
- Developed price elasticity model for Walmart product portfolio using PySpark, Spark SQL, and MLLib, enabling data-driven pricing strategies across multiple product categories
  - Migrated machine learning models from Azure Databricks to Azure ML Studio for Unilever, reducing training time by 1 hour and implementing CI/CD pipelines that cut deployment time by 3 hours
  - Built sentiment analysis system on AWS to classify climate-related tweets with 87% accuracy, processing real-time social media data to identify emerging trends
  - Optimized data pipelines (ADF, SSIS) and automated workflows using Python APIs, reducing ETL processing time by 20 minutes and ensuring 99% data accuracy for financial reporting

## EDUCATION

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- Master of Science, Business Analytics (Scholar with High Distinction)** | GPA: 3.94 May 2024
- The University of Texas at Dallas, Richardson, Texas*  
*Focus area: Data Science and Machine learning*
- Bachelor of Technology, Computer Science and Engineering (First Class with Distinction)** Jul 2020
- SASTRA Deemed University, Thanjavur, India*

## PUBLICATIONS

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- Multi-view representation for sound event recognition** | [Link](#) Sep 2021
- Signal, Image and Video Processing, 2021*
- Trends of sound event recognition in audio surveillance: a recent review and study** | [Link](#) Jan 2020
- Intelligent Data-Centric Systems, 2020*

## TECHNICAL SKILLS

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**Programming & Scripting:** Python, SQL, PySpark, R, JavaScript, C++, C

**Data & Analytics:** Power BI, Tableau, Excel, Alteryx, Databricks, MS Power Platform, MS BI stack

**Cloud Platforms:** Azure (ML Studio, Synapse Analytics, Data Factory, DevOps), AWS (S3, Lambda, SageMaker)