

# SHREYAS NELLORE

Detroit, MI | (945) 249-1877 | [shreyasn9814@gmail.com](mailto:shreyasn9814@gmail.com) | [linkedin.com/in/nshreyas](https://www.linkedin.com/in/nshreyas) | [shreyasnell.github.io/](https://shreyasnell.github.io/)

## 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)