

# HARI SHIVANI GUDI

harishivani19@gmail.com | 317-694-0102 | Bargersville, IN, 46106 | [linkedin.com/in/harishiv19](https://www.linkedin.com/in/harishiv19)

## EDUCATION

### Indiana University

January 2023-December 2024

Master of Science in Applied Data Science, GPA: 3.97/4.00

Indianapolis, IN

Coursework: Data Analysis, Statistics, Informatics Project Management, Data Visualization, Database Management

### National Institute of Technology

August 2018-June 2022

Bachelor of Technology in Biotechnology

Warangal, India

## WORK EXPERIENCE

### Indiana University

January 2023-December 2024

Data Analyst

Indianapolis, IN

- Analyzed national health survey data (NHANES, NHIS) using Python, SQL and BI tools (Power BI, Tableau) to identify trends in falls, diet quality, blood pressure and cholesterol, providing actionable insights for public health decision-making.
- Automated data download process from CMS MMD (Mapping Medicare Disparities) tool using Python, Selenium and SQL, reducing manual data processing time by 60% and improving data accuracy.
- Designed and maintained interactive BI dashboards in Tableau and Looker Studio to analyze marketing performance and ROI, optimizing GA4 reporting by 40% through automation, enhanced data visualization and real-time insights for stakeholders.

### The Sparks Foundation

June 2022-August 2022

Data Science and Business Analytics Intern

India

- Built NLP models to analyze 10,000+ student reviews, enhancing sentiment analysis accuracy by 15%.

### Nestle India Limited

August 2021-December 2021

Data Analytics Intern

India

- Performed data analysis on packaging sustainability metrics, identifying 11 opportunities for using sustainable materials, achieving an estimated 8% reduction in environmental impact.
- Created Tableau dashboards and reports to track key sustainability KPIs and presented insights to the team's global head, supporting strategic decision-making and enhancing cross-team communication for process optimization.

## PROJECTS

### Flight Cancellations Prediction Model

Fall 2024

- Engineered a Spark-based ML pipeline with advanced one-hot encoding feature engineering, evaluated four models, and achieved up to 0.72 ROC AUC, 0.69 PR AUC, and strong accuracy metrics.

### An Integrated Database on Adverse Drug Events

Spring 2024

- Designed and implemented an end-to-end database solution for medication side effect data, conducting statistical analysis to identify patterns and correlations, improving data retrieval speed by 30%.

### Decoding Video Game Trends: A Genre-Specific Dive

Fall 2023

- Analyzed genre-specific video game trends from 2000 to 2016, examining the impact of genres on sales, critical reception and user preferences, providing actionable insights for game publishers, marketers and developers.
- Developed a data-driven framework for understanding market patterns by correlating video game genres with different categories, helping stakeholders identify profitable genres and optimal platforms.

### Bank Loan Default Prediction

Spring 2023

- Implemented a loan default prediction model by analyzing 200,000+ records, achieving 92% accuracy using machine learning algorithms Random Forest and XGBoost.

## TECHNICAL SKILLS

### Programming

: Python, R, SQL, SAS

### Data Visualization

: Tableau, PowerBI, Looker, MS Excel, Matplotlib, Seaborn, ggplot2, Alteryx, Plotly, D3.js

### Data Analysis

: Clustering, Anomaly Detection, Supervised Learning, Unsupervised Learning, Exploratory Data Analysis, Hypothesis Testing, Predictive Analytics

### Big Data & Cloud

: Apache Spark, AWS, Azure, ETL Pipelines, GCP

### Business Analysis

: Requirements Gathering & Documentation, Stakeholder Communication & Collaboration, CRM (Microsoft Dynamics 365), A/B Testing, KPI Development & Performance Tracking

## LEADERSHIP AND ACTIVITIES

- Secured 2nd place in Data Visualization Competition — Indiana University
- Managed a team of 43 members as a President of Business Club, NITW, India

Fall 2024

2019-2022