

# Harish Yedulla

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## EDUCATION

**Syracuse University** – School of Information Studies, Syracuse, NY

August 2022 - May 2024

*Master of Science Information Systems*

- Relevant Coursework: Business Analytics, Data Science, Data Administration & Database Management, Cloud Management, Managing Information Systems Projects, Enterprise Risk Management, Information Systems Analysis

**CVR College of Engineering** – Telangana, India

July 2018 - June 2022

*Bachelor's Of Technology in Computer Science*

- Relevant Coursework: Data Warehousing and Data Mining, Data Structures, Cyber Security, Operating Systems

## TECHNICAL SKILLS

- **Languages:** R, SQL, Python, C
- **Software:** Visual Studio, Anaconda, Azure Data Studio, MongoDB
- **Tools:** PowerApps, MS Excel (Pivot Tables, Power Pivot, Correlations, Linear Regression, Macros, Solver optimization, forecasting), MS Project, Tableau, Power Bi, MS Access (Tables, Relationships, Joins, Queries), Google Analytics

## EXPERIENCE

**Information Technology Intern**, American Family Insurance– Illinois, Chicago

Oct 2023 – January 2024

- Integrated diverse data sources, boosting data accuracy by 30% and reducing errors, leading to more efficient claims processing and improved customer service.
- Developed and automated a foundational data model, cutting manual data handling by 80% and facilitating easier access to strategic insights for decision-making.
- Utilized advanced R visualizations to enhance understanding of insurance claim patterns by 15%, aiding in the identification of key risk factors and trends.
- Streamlined data analysis for real-time insights, enhancing strategic planning and contributing to more accurate risk assessments and policy adjustments.

**Business Analyst Intern**, Suvarna Technosoft– Hyderabad, India

August 2021 - May 2022

- Collaborated with stakeholders to refine business solutions, achieving a 95% satisfaction rate and slashing inefficiencies by 20%.
- Utilized data visualization tools to create comprehensive reports and dashboards for executive decision-making, resulting in more informed strategic choices.
- Performed in-depth analysis of current processes, identified bottlenecks, and recommended process improvements, leading to a 15% increase in overall efficiency.
- Conducted cost-benefit analysis to evaluate the financial impact of proposed projects and developed use case models to define system functionality and user interactions.

## ACADEMIC PROJECTS

**Smart energy forecasting and optimization system, R**

February 2023- May 2023

- Conducted thorough exploratory data analysis, iteratively refined models to predict energy usage during peak demand periods. Successfully reduced prediction error margins by 15%, ensuring robust and reliable energy demand forecasts.
- Developed and integrated predictive models using static housing, hourly energy, and weather data, enhancing energy usage forecast accuracy by 20% over standard benchmarks.
- Designed a Shiny application for dynamic visualization of energy patterns, streamlining energy consumption analysis. This led to strategies that potentially reduce peak energy demand by 10%

**Logistics Supply Database, T-SQL**

September 2022 - December 2022

- Designed and implemented a relational database (RDMS) for a Logistics Supply Management system with 13 tables using ER and UML diagrams.
- Engineered inventory data analysis by designing efficient fact & dimensional tables, leading to a 6% query performance boost.
- Enabled customer-specific order analysis in inventory database with parameterized inputs for easy and reusable queries.
- Effectively communicated project concepts and outcomes through a compelling PowerPoint presentation.

**Distance estimation for Autonomous Vehicles, YOLOv4**

November 2021- April 2022

- Devised a novel approach for calculating the distance between moving vehicles around an autonomous vehicle.
- Recognition and tracking of automobiles using a camera mounted on the autonomous vehicle.
- The analysis is done with the use of YOLO version 4 and DEEP SORT algorithms.