NARENDRA YENUMULA

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SUMMARY

Data Science graduate with a strong foundation in **machine learning**, **statistical analysis**, and **data visualization**. Proficient in **Python**, **SQL**, and **data manipulation** using tools like **Pandas** and **NumPy**. Hands-on experience with **data wrangling**, **model development**, and **predictive analytics** through academic projects And also in designing scalable **data models**, building **ETL pipelines**, and delivering actionable insights through **interactive dashboards** using **Tableau** and **Amazon Quick Sight**. Proven expertise in optimizing **inbound supply chain visibility**, **freight signal analysis**, and improving **lead time accuracy** using **SQL**, **Python**, and **AWS Redshift**. Adept at collaborating with **cross-functional stakeholders** to drive **data-driven decision-making** and automate **self-service analytics**. Passionate about improving **supply chain orchestration** and **operational efficiency** through advanced analytics. Eager to apply technical skills and contribute to data-driven decision- making processes in a dynamic work environment.

EDUCATION

Masters in data science and Analytics | Florida Atlantic University, Boca Raton, Florida

- **GPA**: 3.54/4.0 | **Completed**: Apr 2025
- **Key Courses:** Data Mining and Machine learning, Data Visualization, Artificial Intelligence, Predictive and Statistical Analysis, Business Analytics, Big Data Analytics.

Bachelor of Engineering in Mechanical Engineering | MVSR, Hyderabad, TG, India

- **GPA:** 3.37/4.0 | **Completed:** Apr 2022

CERTIFICATIONS

Graduate Certificate in **Artificial Intelligence**.

SKILLS

- **Programming & Tools:** Python (Pandas, NumPy, Scikit-Learn), Java, R, SQL, Excel, HTML, CSS
- **Databases & Platforms:** Amazon Redshift, Oracle, MySQL, NoSQL (MongoDB), **Azure Synapse, Databricks**
- **Machine Learning & Forecasting:** Supervised & Unsupervised Learning, Deep Learning, **Forecasting**, Model Evaluation
- **Data Engineering & Architecture:** ETL Pipelines, Data Cleaning, **Data Architecture**, Data Modeling, **Code Reviews**
- **Data Visualization & BI:** Tableau, Power BI, Looker, Dashboard Development, Business Intelligence
- **Collaboration & Communication: Business Stakeholder Engagement**, Cross-functional Communication

WORK EXPERIENCE

|Data Analysis & Research Intern | Eco Servants | Sept 2025 – Present

- Queried, cleaned, and validated environmental datasets using **SQL** to ensure accuracy and reliability.
- Created interactive **Tableau and Power BI dashboards** to visualize environmental and geospatial data for stakeholders.
- Applied **geospatial analysis** to map and track location-based environmental metrics.
- Conducted data-driven research on **invasive plant species** to support Eco Servants' open-access environmental guide.
- Collaborated with teams through **GitHub and Google Workspace**, ensuring data consistency and version control.

| System DATA Analyst |Florida Atlantic University | Jan 2024 – April 2025

- Built dashboards in Tableau/Power BI to support data-driven decisions across departments.
- Queried and analyzed large datasets using SQL; improved data accuracy by 20% through cleansing and validation.
- Applied statistical analysis and integrated predictive models into dashboards to forecast trends.
- Automated reporting workflows using Python and SQL, reducing manual effort by 40% and increasing efficiency.
- Improved reporting turnaround time by 35% through optimized data models and visualization tools

| DATA Analyst | NextGen Analytics | JUNE 2021 – JULY 2023

- Analyzed large datasets (10M+ rows) using SQL and Python to provide actionable insights to the marketing team, increasing customer acquisition by 20%.
- Developed dynamic Tableau and Power BI dashboards that tracked campaign performance, saving 15 hours of manual reporting weekly.
- Cleaned and transformed raw, unstructured data into reliable datasets using Python (Pandas, NumPy).
- Automated data pipelines using Python and APIs, streamlining data collection and analysis for real-time reporting.

PROJECTS

Dashboard Creation for Business Intelligence Technologies
Used: Power BI, SQL

- Created an interactive dashboard to track business KPIs such as revenue, sales, and customer satisfaction.
- Pulled data from a **SQL database** and used **Power BI** to build custom reports and visualizations.
- The dashboard was adopted by senior leadership to make data-driven decisions.
- Implemented role-level security and scheduled data refreshes, ensuring secure, up-to-date access for stakeholders.
- Reduced manual reporting efforts by 60% through automation and self-serve analytics features.

Driver Drowsiness Detection Using Deep Learning Technologies Used:
Python, TensorFlow, OpenCV, CNN

- Developed a real-time **driver drowsiness detection system** using **deep learning** to monitor facial features (eye aspect ratio) for signs of fatigue.
- Utilized **OpenCV** for face and eye detection and trained a **CNN model** for classification.
- Implemented an alert system to notify the driver upon detecting drowsiness, achieving **90% accuracy** in real-time predictions.
- Enhanced **driver safety** by reducing fatigue-related accidents.