GOPI KRISHNA NADIPINENI

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# Objective Results-driven Data Analyst with 2 years of experience in transforming complex data into actionable insights. Skilled in statistical analysis, data visualization, and leveraging tools like SQL, Python, and Power BI to drive business outcomes. Eager to apply expertise in data mining and predictive modeling to support strategic decision-making.

# Skills

* **Programming Languages**: Python, SQL, Java.
* **AWS**: EMR, EC2, Athena, Glue, Lambda, Redshift, Dynamo DB.
* **Databases**: MY SQL, Microsoft SQL Server, Mongo DB(no SQL).
* **Libraries**: Pandas, Numpy, Scikit -Learn, PyTorch, TensorFlow.
* **Reporting & Visualization**: Power Bi, Tableau.
* **Methodologies**: Agile, Waterfall, Scrum.
* **Project Management Tools:** Jira, Bit Bucket, Confluence.
* **Data Warehousing:** Snowflake.
* Canva, Creatopy, Adobe, Microsoft Office Suite, LucidChart, Make.

**Experience**

**Data Analyst**, *OCT 2021 – JULY 2023*

*Infosys Limited, Hyderabad, India – Westpac Client*

* Processed large datasets to uncover key insights and generated clear and impactful visualizations using tools like Python, and Power BI to present data in an accessible and visually engaging format.
* Developed visualizations using Power BI to make complex shortage analysis accessible to stakeholders.
* Engineered comprehensive Power BI visualizations to clearly convey complex data trends, enhancing stakeholder understanding by 25% and facilitating a 10% uptick in project approval rates.
* Maintained 98% data pipeline stability, reducing discrepancies by 20% over one year.
* Collaborated with a diverse team of 5+ data engineers and analysts to develop and implement 10+ data visualization solutions.
* Trained team members on Power BI best practices, increasing overall team efficiency in data visualization and reporting by 20%.
* Supported cross-functional teams by delivering ad-hoc reports and analyses, enabling faster decision-making and reducing turnaround time by 20%.
* Conducted detailed data audits, identifying inconsistencies that improved data integrity by 15%, resulting in more accurate business insights.
* Proven ability to present complex data insights in clear, accessible reports and presentations for a broad audience.

# Academic Projects

##### **Automated Parking Status Tracker using Deep Learning**

Developed an automated parking status tracker using YOLO and MobileNet, achieving 85% car detection accuracy through

optimized hyperparameter tuning and advanced data preprocessing techniques.

##### **Birds Species Classification** Conducted fine-tuning of a ResNet18 neural network for bird species classification using ClearML for monitoring, achieving a significant improvement in accuracy and other key performance metrics.

**Restaurant Menu Optimization using NLP** Developed an NLP-based system for restaurant menu optimization, leveraging sentiment analysis and machine learning to enhance

customer satisfaction, improve demand forecasting, and streamline inventory management.

**Disease Prediction from Symptoms | UNH (Fall 2023)**

##### Developed a machine learning algorithm to predict the diseases from symptoms using Disease symptom prediction dataset. Achieved this by using Supervised learning.

**Gender and Age Detection| UNH (Fall 2023)**

To build a gender and age detector that can approximately guess the gender and age of the person(face) in a picture or through the webcam using deep learning techniques. Deployed the Gender and Age Detector using the Gradio (Python).

**Prediction of the selling price of the Used Cars| UNH (Spring 2024)**

Creating the models that can precisely anticipate a used car's selling price based on its attributes is necessary to predict the sale price of used automobiles. To develop the prediction models that would help prospective auto buyers and sellers choose a fair and acceptable asking price for a used car.

**An Iterative Inverse Technique to Estimate the Heat flux of a slab with transient heat Conduction using Machine Learning.**

Developed a machine learning model using ANN coupled with GA(Genetic Algorithm) to predict and classify heat flux using feature selection based on correlation analysis. Attained 95.56% accuracy with GA combined with ANN in WEKA evaluation, followed by ANN(88%).

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# Education

**University of New Haven** • **West Haven** • **CT** *August 2023 – May 2025*

*Master of Science : Data Science* ***GPA: 3.56/4.00***

**Courses**: Mathematics for Data Science, Introduction to Artificial Intelligence, Exploratory data analysis, Machine Learning, Power BI Dashboarding, Natural Language Processing, Deep Learning, Leadership and Entrepreneurism.

**Jawaharlal Nehru Technical University Kakinada** • **India** *July 2017 – June 2021 Bachelor of Technology****:*** *Mechanical Engineering* ***GPA: 8.24/10.00***

**Courses:** Programming with C, Production Planning and Control, Statistics, Robotics, Engineering Management, Probability and Statistics, Operations Research, Data Base management, CAD, CAM.