

# DONGARI SRINIVASA RAO

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## Professional Summary

Recent Bachelor of Technology graduate in Artificial Intelligence and Machine Learning with a strong foundation in Python, SQL, and Power BI. Experienced in developing data-driven applications and machine learning solutions through academic projects and internships. Seeking an opportunity to leverage technical expertise in a Data Analyst or Machine Learning Engineer role to contribute to real-world problem-solving and innovation.

## Technical Skills

- **Programming Languages:** Python, java, c
- **Backend Web Technologies:** Streamlit , Flask
- **Database Management:** MySQL, MongoDB
- **Tools & Platforms:** Git, VS Code, Anaconda , google collab.

## Education

<b>Bachelor of Technology/Engineering in [AI-ML]</b> K G Reddy College Of Engineering And Technology, CGPA: 8.33/10.0	<b>12/2021 – 05/2025</b>
<b>Intermediate in [ Mathematics, Physics, Chemistry ]</b> Narayana Junior College, CGPA: 8.92/10.0	<b>06/2018 – 03/2020</b>
<b>SSC[10<sup>th</sup>]</b> ST.ANN'S SCHOOL, CGPA: 9.0/10.0	<b>06/2017 – 03/2018</b>

## Projects

### Supply Chain Optimizer : Build a predictive model to optimize inventory and logistics 12/2024 - 03/2025

- *Technologies Used:* Python, Pandas, scikit-learn, Streamlit, Flask, Matplotlib, Seaborn, MySQL
- Developed an end-to-end predictive modeling system using scikit-learn and Streamlit to forecast demand, reduce logistics delays, and improve inventory management accuracy.
- Implemented features like time-series forecasting, logistics delay prediction, real-time API integration, and interactive dashboards, resulting in a 15–25% improvement in delivery planning efficiency during simulations.
- GitHub Repository: <https://github.com/Srinivas6620/Supply-Chain-Optimizer>

### Lupus Nephritis Classification Using Web Application 05/2024 - 04/2025

- *Technologies Used:* Python, Pandas, NumPy, scikit-learn, Matplotlib, Seaborn, Streamlit, Flask
- Developed a classification model using scikit-learn to predict Lupus Nephritis stages based on historical and biopsy image data, achieving improved diagnostic accuracy.
- Implemented data preprocessing, EDA, and classification techniques (e.g., Decision Trees, Logistic Regression) in a Streamlit web app for real-time medical insights and visualizations.
- Collaborated with team members on data preprocessing, model tuning, and UI integration to deliver a user-friendly, end-to-end diagnostic support tool for clinicians

### Amazon Sales Analysis Using Streamlit 04/2024 - /2024

- *Technologies Used:* Python, Pandas, NumPy, Matplotlib, Seaborn, Streamlit

- Developed an interactive dashboard using Streamlit to visualize key performance indicators such as product performance, geographical sales trends, and fulfillment type comparison.
- Implemented customer segmentation, sales trend forecasting, and return rate analysis, resulting in actionable insights for inventory and marketing optimization.

## Internship Experience

**Data Science Intern**  
Coreline, Virtual

**06/2025 - present**

- Working on Customer Review Sentiment Anomaly Detection to identify unusual patterns and sentiment shifts in user-generated content using Python, scikit-learn, and NLP techniques.
- Developing preprocessing pipelines for cleaning text data and implementing sentiment classification models using TF-IDF, Logistic Regression, and Naive Bayes.

**AI Engineer**  
Workcohol, Virtual

**12/2024 - 03/2025**

- Contributed to the development of an AI-based recommendation system using Python, scikit-learn, and Pandas, enhancing user personalization features.
- Implemented data preprocessing pipelines and feature selection techniques, which improved model accuracy by 18% during evaluation.

## Certifications

- Full Stack Python for Data Science from **EducateNext** (02/2023)
- Lupus Nephritis Classification Model Paper Publication Certificate from ICMED (04/2025)
- Ikarus Tech Festival Participation Certificate from KGRCET (04/2022)
- Certification of Participation from Telecom Regulatory Authority of India (TRAI)
- Hack-A-Bot Hackathon Participation Certificate from Uipath
- MongoDB for Beginners from MongoDB University (06/2025)
- MongoDB Fundamentals from MongoDB University (06/2025)

## Academic Achievements & Activities

- Second Topper in the Department of Artificial Intelligence and Machine Learning (2025)
- Best Student Award recipient for outstanding academic and extracurricular performance (2025)
- Attended a AI Workshop at Hyderabad Institute of Technology and Management
- Participated in a AI Hackathon Conducted by Uipath at ACE College