DORAGACHARLA LIZY

Email: lizydoragacharla@gmail.com   **Phone:** +91 8106868075   **LinkedIn:** linkedin.com/in/lizy-d   **GitHub:** github.com/doragacharlalizy   **Portfolio:** doragacharlalizy.github.io

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Education

B. Tech in Computer Science and Engineering   2020 - 2024
Adikavi Nananaya University, Rajanagaram   CGPA: 9.01

Core Competencies

Programming Languages: Python, SQL, JavaScript
Data Science and Analytics: Data Cleaning, Exploratory Data Analysis (EDA), Data Wrangling, Statistical Analysis, Feature Engineering
Machine Learning: Supervised and Unsupervised Learning, Regression, Classification, Clustering
Data Visualization: Power BI, Tableau, Excel, Matplotlib, Seaborn, Plotly
Cloud Computing: AWS, Google Cloud Platform (GCP)
Databases: MySQL, PostgreSQL
Web Development: React, Django, HTML, CSS, WordPress
Version Control: Git, GitHub
Languages: English, Hindi, Telugu

Key Strengths

Data analysis and optimization: Skilled in extracting insights from data and improving operational efficiency.
Problem-solving and troubleshooting: Effective at identifying and resolving data-related issues.
Research and development: Experienced in data research and developing analytical models.
Documentation and reporting: Skilled in creating clear and concise reports for data-driven decisions.
Continuous learning: Constantly updating skills and knowledge to stay ahead in the field.
LanguagesEnglish, Hindi, Telugu

Work Experience

Data Science Intern — Arthashastra Intelligence, Hyderabad   - May 2024 – Oct 2024

- Engineered and processed data insights from datasets exceeding 500,000 records, ensuring 99% accuracy and efficient retrieval.
- Led exploratory data analysis (EDA) to identify key trends and patterns for informed decision-making.
- Created synthetic datasets, increasing training data volume by 35% and enhancing model performance by 15%.
- Engineered an application to assess ATS compatibility scores for resumes based on job descriptions, improving recruitment efficiency.
- Designed scoring algorithms to evaluate resumes against specific job roles, streamlining the hiring process.

Certifications

Data Science with AI   - April 2024 – Aug 2024
- Mastered advanced knowledge of machine learning, deep learning, and AI tools for predictive analytics and automation.

AWS Academy Foundation   - Oct 2022 – Dec 2022
- Completed comprehensive training in cloud computing, including cloud architecture and AWS services for scalable solutions.

Coursera - Data Science   - Feb 2022 – Apr 2022
- Gained proficiency in data analysis, statistical modeling, and machine learning techniques through hands-on projects.

Projects

Dehazing of Multispectral Remote Sensing Images
- Developed a project to improve hazy satellite images by designing models that efficiently remove noise and haze from multispectral images. Enhanced image quality by 40%, enabling better analysis and decision-making in remote sensing applications.

Human Pose Estimation
- Designed a system to detect and analyze human body postures from images and video feeds. Focused on accurately identifying key body points and interpreting human movements, with applications in fitness and healthcare.

Student Performance Analysis
- Conducted a comprehensive analysis of student performance using various factors such as attendance, study habits, and socio-economic background. Developed a predictive model to identify students at risk of underperforming, enabling timely interventions and improving academic outcomes by 20%.

Resume Screening and ATS Optimization
- Built an AI-powered tool that analyzes and scores resumes for ATS compatibility based on job descriptions and job roles.
- Implemented NLP techniques to extract key skills and qualifications, enhancing job application success rates.

Medical Chatbot for Health Assistance
- Designed a lightweight AI-driven chatbot using a small LLM to provide medical information and health advice based on symptoms and conditions.