TARUN A

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CAREER OBJECTIVE

Aspiring AI & Data Science professional with strong analytical and problem-solving skills, seeking to leverage expertise in Python, SQL, and Machine Learning to develop data-driven solutions. Passionate about predictive analytics and data visualization to drive business insights. Looking to contribute to an innovative and dynamic team while continuously expanding technical proficiency and industry knowledge.

EDUCATION

B. Tech in Artificial Intelligence and Data Science, Meenakshi Sundararajan Engineering College, Chennai.

CGPA: 8.43 *2021 -2025*

10th percentage: 89.6 12th percentage: 92.6

SKILLS

Technical Skills Python, SQL, Fundamentals of C, Machine Learning, Data Analysis, Data Visualization, MS Excel, Jupyter Notebook, VS Code.

Soft Skills Time Management, Analytical Thinking, Adaptability, Communication, Leadership

EXPERIENCE

Intern *Feb 2023*

Sun TV Network Limited *Chennai*

- Gained foundational exposure to data analytics concepts and practices.
- Observed data-driven decision-making processes in analytics, gaining exposure to data visualization tools and techniques.

PROJECTS

Pulmonary Nodule Detection Using Faster R-CNN & FPRNet:

Developed a Pulmonary Nodule Detection system leveraging Faster R-CNN with Adaptive Anchor Boxes and FPRNet to enhance false positive reduction. The project involves automated lung nodule detection from CT scans using deep learning and CUDA-accelerated preprocessing for efficient data handling. Implemented 10-fold cross-validation, incremental training, and evaluation metrics such as FROC curves and AUC to ensure high diagnostic accuracy. Designed a modular pipeline integrating data augmentation, adjacent slice extraction, and logging, optimizing model performance for clinical applications.

Exploratory Data Analysis on Glassdoor Job Listings:

This project aims to perform an in-depth Exploratory Data Analysis (EDA) on job listings from Glassdoor, focusing on uncovering valuable insights for job seekers, employees, and recruiters. A histogram analysis reveals that salaries vary widely across roles and industries. Higher salaries are often associated with technology, finance, and consulting sectors. Larger companies (1000+ employees) tend to offer higher salaries than smaller firms.

Amazon Prime Content Analysis:

In this project, we aim to perform Exploratory Data Analysis (EDA) on the Amazon Prime TV Shows and Movies dataset to extract meaningful insights about the content available on the platform. This analysis will help in understanding content diversity, regional availability, trending genres, IMDb ratings, and popularity among viewer

COURSES AND CERTIFICATIONS

IBM Data Analyst , IBM Coursera.

Data Analysis with Python, Coursera.

Python Scripting, Credited by Edureka.

Machine Learning to Generative AI , IBM SkillsBuild.

Digital Marketing , Udemy