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GOPI.S

OBJECTIVE:

Aspiring Data Scientist/Data Analyst with a strong foundation in machine learning, statistical analysis, and data visualization. Completed hands-on projects demonstrating proficiency in Python, SQL, and data-driven decision-making. Eager to apply analytical skills to extract insights and solve real-world problems. Passionate about leveraging data to drive business growth and efficiency.

CORE COMPETENCIES:

- **Machine Learning Algorithms:** Linear Regression, Decision Trees, K-Means, SVM
- **Deep Learning Architectures:** CNNs, RNNs, LSTMs, Transformers (BERT, GPT)
- **NLP Techniques:** Text Classification, Sentiment Analysis, Tokenization
- **Data Preprocessing:** Feature Engineering, Data Cleaning, Normalization
- **Programming Languages:** Python, R, SQL
- **Frameworks:** TensorFlow, PyTorch, Scikit-learn

SKILLS:

- **Programming Languages:** Python, R, SQL
- **Libraries/Frameworks:** TensorFlow, PyTorch, Scikit-learn, NLTK
- **Cloud Platforms:** Google Colab, AWS (basic)
- **Data Visualization:** Matplotlib, Seaborn, Plotly
- **Version Control:** Git, GitHub
- **Soft Skills:** Problem-solving, Critical thinking, Collaboration, Attention to detail

EXTRACURRICULAR ACTIVITIES:

- Art & Craft Volunteer
- Travel and Cultural Exchange
- Photography
- Content Writer
- Event Volunteer

PROJECT:

Image Classification Using CNNs

- Developed a Convolutional Neural Network (CNN) to classify images from the CIFAR-10 dataset, achieving 90% accuracy.
- Applied data augmentation techniques for improved model generalization.
- Implemented the model using TensorFlow and visualized training results with Matplotlib.

Sentiment Analysis of Social Media Data

- Built an NLP pipeline for sentiment analysis of social media posts using Python, NLTK, and Scikit-learn.
- Trained a machine learning model to classify sentiment with 85% accuracy.
- Utilized TF-IDF for feature extraction and experimented with various algorithms, including Naive Bayes and SVM.

EDUCATION:

2021 - 2025 | Dhirajlal Gandhi college of tech

- Bachelor of Technology - Artificial Intelligence & Data Science

2020 - 2021 | Little Flower Higher Secondary School

- Bachelor of Technology - Artificial Intelligence & Data Science

LANGUAGE:

- English
- Tamil
- Japanese (Beginner Level)