Upendra Gummilla

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Summary

Passionate Data Scientist with foundational knowledge in Artificial Intelligence, experienced in academic projects, and a background in teaching as a Software Trainer. Skilled in Python, machine learning, deep learning, natural language processing, and data visualization tools like Power BI and SQL. Known for strong problem-solving and communication skills.

Education

- **Data Science**, Besant Technologies (2023-2024)
- **B.Sc (MSCS)**, SV Arts College (2020-2023), GPA: 7.6
- **Data Science Certification**, Besant Technologies (2023), Duration: 8 months
- **Intermediate**, SBN Junior College (2018-2020), GPA: 9.29
- **10th Standard**, APRS CMC (2017-2018), GPA: 9.2

Experience

Software Trainer *Datapro, Visakhapatnam, VIP Road*

Working as a SoftWare Trainer At Data Pro from Feb 2024 to Till Date

- Conducted training sessions on data science, Python, and machine learning concepts for students.
- Mentored students on academic projects, providing technical guidance and support.
- Designed course content to bridge the gap between theoretical knowledge and industry needs.

Projects

Sign Language Indian Classification :
Technologies: Python, Flask, TensorFlow/Keras,ML techniques

Developed a web application to classify Indian sign language using deep learning models. This project aimed to aid communication for individuals with hearing impairments.

- Built and trained convolutional neural networks (CNNs) for accurate gesture recognition.
- Integrated Flask for deploying the model as a user-friendly web application.
- Optimized model performance through hyperparameter tuning.

GitHub: github.com/Upendra4204/SIgn-Language-Indian

Sentiment Analysis on E-commerce :

Technologies: Python, TF-IDF, XGBoost,ML Techniques
Analyzed e-commerce customer reviews to classify sentiments into positive, negative, or neutral using machine learning techniques.

- Implemented text preprocessing techniques, including tokenization and lemmatization.
- Engineered features using TF-IDF vectorization to convert text data into numerical form.
- Trained and evaluated an XGBoost classifier to predict sentiment with high accuracy.
- Deployed models using joblib for easy reuse in production environments.

GitHub: github.com/Upendra4204/Sentiment-Analysis-

Skills

- **Programming Languages:** Python (Proficient)
- **Machine Learning:** Regression, Classification, Clustering, Dimensionalty Reduction,Time series analysis,Anamoly Detections
- **Deep Learning:** Neural Networks, CNNs,RNNs, Computer vision ,TensorFlow, Keras,pytorch ,object Detection,GAN,VAEs
- **NLP:** Tokenization, Lemmatization, Word2Vec, GloVe, FastText
- **Data Visualization:** Power BI, Matplotlib, Seaborn
- **Deployment:** Flask,Gradio,streamlit
- **Database Management:** SQL (Basics)

Certifications

- Data Science Course Completion Certificate (Besant Technologies)

Achievements

- Successfully trained over 50 students on data science concepts.
- Recognized for developing innovative teaching methods to simplify complex topics.
- Completed two academic projects with practical applications in AI and ML.

Languages

- English (Fluent)
- Telugu (Native)
- Hindi (Intermediate)