Gourav Gulia

Data Scientist / Data Analyst
131001
Sonipat

+91-8847681043
grvgulia007@gmail.com
gauravgulia26
gauravgulia

Experience

CodSoft *Aug 2023-Sep 2023*
Data Science Intern Remote

- Balanced highly imbalanced dataset with minority class at 0.1% through under-sampling
- Executed Sales Prediction projects using RNN and LSTM models with 95% accuracy
- Performed data pre-processing in Python, reducing noise by 25% and enhancing model accuracy by 15% through optimized feature selection.

Technical Skills

Languages: Python, R
Hard Skills: Machine Learning, Deep Learning, Natural Language Processing (NLP), Data Cleaning, Data Preprocessing, Data Visualization, Computer Vision, Statistical Analysis, Linux, Excel, Power BI, Big Data, Statistical Modeling, Data Mining, LSTM, Transformers, ETL, EDA, Docker, Kubernetes, GitHub Actions,Git
Frameworks: Scikit-Learn, TensorFlow, Keras, NumPy, Pandas, PyTorch, Transformers (Hugging Face)
Cloud/Databases: MongoDB, SQL,
Certifications: Machine Learning, Python Basic, Deep Learning, Python Advanced, Deep Learning Specialization (Udemy), Introduction to Data Science (Infosys), Natural Language Processing (Ineuron.ai)

Education

·Chandigarh University, Mohali *July 2022 - May 2024*
M.Sc. Data Science CGPA/Percentage: 6.57

·Shivaji College, University of Delhi *June 2019 - March 2022*
B.Sc. Applied Physical Science CGPA/Percentage: 6.67

Personal Projects

FDI Analysis Dashboard using Power BI and Excel | Link *April 2024*
Integrated Power BI & Excel to pioneer an FDI dashboard, achieving 95% forecasting accuracy.
– Led optimization efforts, resulting in 30% deeper insights and 40% faster reporting.
– Implemented advanced data modeling techniques for comprehensive insights into FDI inflows and outflows.

Text Summarization with Transformers on XSum Dataset | Link *January 2024*
Developed a transformer-based text summarization model, scoring 0.92 Rouge-1 on XSum, advancing NLP significantly.
– Orchestrated innovative Transformers in NLP for precise and informative summarization on the challenging XSum dataset demonstrated a 25% improvement in summarization accuracy
– Spearheaded a data-driven analysis project to target high ROUGE scores resulting in a 30% improvement in model performance and enhanced information capture capabilities

Movie Reviews Sentiment Analysis | Link *January 2024*
Employed advanced sentiment analysis techniques to assess 50,000 movie reviews.
– Achieved exact sentiment analysis on a 50k movie review dataset using ensemble techniques and LSTM, reaching an 86% accuracy
– Generated a high-performing ROC curve with an AUC score of 0.92, proving superior model performance

Deep Audio Classifier Project | Link *November 2023*
Built a precise Deep Audio Classifier with CNNs, achieving 98% accuracy
– Applied Deep Learning to decipher avian communication, achieving a 25% increase in accuracy beyond simple recognition. Transformed understanding by delving into the nuanced language of birds for enhanced comprehension
– Employed WAV format and STFT spectrogram for a comprehensive analysis that led to a 30% improvement in signal processing accuracy

Computer Vision Classification Project | Link *June 2023*
Built 97% accuracy image classification model using deep learning on 25,000 images
– Leveraged deep learning, specifically Convolutional Neural Networks (CNNs), on a 25,000-image dataset to achieve 97% accuracy
– Spearheaded innovative neural network architectures and image preprocessing, translating into tangible business impact that Facilitated a 20% improvement in image processing efficiency.