KRISHNA BHUL

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Summary

Computer Science graduate with expertise in Python, SQL, Excel, and Power BI, complemented by a strong foundation in data science and machine learning. Skilled in data cleaning, statistical analysis, and developing impactful visualizations to uncover business insights. Proficient in transforming large, complex datasets into actionable strategies using machine learning algorithms and advanced analytics techniques. Passionate about leveraging data-driven solutions to solve real-world problems, enhance performance, and deliver innovative, impactful results.

Experience

Ai Variant – Power BI Intern (Sept 2024 – Dec 2024 | Virtual)

- Worked on a Onlist Store Analysis dataset to create a comprehensive Power BI dashboard with meaningful insights.
- Gained hands-on experience using DAX and Power Query to clean, transform, and model data effectively.
- Designed visually engaging and interactive reports to uncover key trends, enabling data-driven decision-making.

Technical Skills

- **Programming Languages:** Python, SQL
- **Machine Learning & Deep Learning:** Scikit-learn,nltk, TensorFlow, PyTorch
- **Data Visualization:** Power BI, Matplotlib, Seaborn
- **Data Manipulation:** Pandas, NumPy, Advance Excel
- **Big Data Technologies:** PySpark
- **Web Scraping:** BeautifulSoup
- **Database Management:** MySQL, SQLite

Projects

1. Movies Recommendation System

- Built a movie recommendation system using NLP techniques for vectorizing movie descriptions and metadata.
- Implemented content-based filtering and cosine similarity metrics to provide personalized recommendations.
- Designed a user-friendly web interface using Streamlit, enhanced with HTML and CSS for an intuitive user experience.

2. Sentiment Analysis on Twitter Data

- Collected real-time Twitter data using the Twitter API and preprocessed text (cleaning, tokenization, and vectorization).

- Built machine learning models like Logistic Regression and Random Forest for sentiment classification (positive, negative, neutral).
- Achieved high accuracy by optimizing models and visualized sentiment trends using Matplotlib and Seaborn.
- Delivered insights for social media trends and user behavior analysis.

3. Image Classification Using CNN

- Designed and implemented a convolutional neural network (CNN) to classify images from the CIFAR-10 dataset.
- Achieved 94% accuracy by applying advanced techniques like data augmentation (rotation, flipping, and zoom).
- Built the model using PyTorch with layers including Conv2D, MaxPooling, and Dropout for improved generalization.
- Visualized predictions and analyzed misclassifications using Grad-CAM to interpret the model's performance.

Education

Bachelor of Science in Computer Science (2021-2024)
Ramniranjan Jhunjhunwala College, Mumbai University
CGPA: 8.51/10

Certification

- Power BI Certification for Data Analysis – ExcelR
- Data Science Certification – ExcelR
- Data Visualization: Empowering Business with Effective Insight – Forage