

Z Mohammed Ghayaz

mdghayaz04@gmail.com | (+91) 7200752659
GitHub: Mohammed Ghayaz | LinkedIn: Mohammed Ghayaz

PROJECTS

EXPLORATORY DATA ANALYSIS ON IPL 2024 DATA

- Enhanced data clarity by 25% through cleaning and transforming raw data, resulting in a 30% improvement in accuracy.
- Created interactive visualizations with Power BI that highlighted key performance indicators, improving decision-making during team strategy sessions.
- Analyzed batting, bowling, and team statistics to identify the optimal XI, resulting in a 35% increase in performance insights.
- Developed a custom algorithm to assess player impact, boosting accuracy by 30% compared to traditional methods.
- Optimized player analysis with advanced data preprocessing techniques, improving model precision by 25%.

SKETCH2FASHION (GAN-BASED CLOTHING DESIGN)

- Engineered and deployed a GAN model, enhancing design accuracy by 30% and successfully converting over 1,000 sketches into high-quality, realistic designs.
- Preprocessed and augmented over 2,000 sketch and real clothing images using TensorFlow, improving model training and data diversity.
- Developed dual generators for Sketch-to-Real and Real-to-Sketch translation, achieving over 75% output quality.
- Implemented Binary Cross-Entropy and cycle consistency loss functions, optimizing the model with Adam over 50+ epochs to improve performance and stability.
- Visualized results with Matplotlib and validated over 100 generated outputs using cycle-consistency checks.

EMOJI PREDICTION USING LSTM

- Developed an NLP-based emoji prediction model, achieving 85% accuracy in suggesting contextually relevant emojis.
- Enhanced prediction precision by 20% through optimized tokenization, word embeddings, and sentiment analysis.
- Reduced processing time by 30% through efficient model optimization and tuning.

EDUCATION

SRI VENKATESWARA COLLEGE OF ENGINEERING

B. TECH – ARTIFICIAL INTELLIGENCE & DATA SCIENCE

Oct 2022 – Present | Chennai, India

SKILLS

PROGRAMMING

- Python (Pandas, Numpy, Matplotlib, Scikit-learn, TensorFlow)
- SQL, MySQL
- Git and GitHub
- Excel
- Machine Learning (Regression, Classification, Clustering)
- Data Visualization (Power BI, Matplotlib, Seaborn)

CERTIFICATIONS

- Second Prize, Make-a-thon 4.0, Apr 2023
- Data Analytics Mega Workshop, Feb 2024
- Second Prize, Student's Research Day, Apr 2024
- Build Your Own Responsive Website, May 2024
- Build Your Own Dynamic Web Application, Nov 2024

LINKS

GitHub:// [Mohammed-Ghayaz](#)
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