Parvez Shaik

Parvez | Parvez Shaik | shaik.parvez2002@gmail.com | +91 8179460203

Education

Vellore Institute of Technology, Bhopal — Sep 2020 - June 2025
Int.Mtech(CSE) — ***CGPA: 8.84***

Narayana IIT Academy, Vijayawada(AP) — May 2019
Class XII — ***Percentage: 82***

Surya Vidyanikethan, Giddalur — May 2017
Class X — ***CGPA:10***

Certifications

- HTML, CSS, JavaScript for Web Developers

Skills

Languages: Python, SQL, R, Java
Tools: Kera's, R studio, Linux, Caffee, Jupyter notebook, VS Code, OS, Tableau

Projects

Image caption generator | *Python, CNN, LSTM, RNN, Kera's, NLP* — Feb 24 – Apr 24

- Developed an image captioning system leveraging deep learning, machine learning, and computer vision, context-based annotations for images, improving descriptive accuracy by 96 percent.
- Utilized matrix operations to optimize data processing, enhance feature engineering, and accelerate model evaluation, improving computational efficiency and accuracy in machine learning workflows.
- Employs pre-trained models like VGG16, ResNet for feature extraction, significantly reducing training time and improving performance.

Asteroids Classification Using KNN [Link] | *Python, Deep learning, KNN* — Sep 24 - Dec 24

- Utilized the K-NN algorithm for asteroid classification by calculating distances in multi-dimensional space, enabling accurate categorization and improved analysis of celestial data.
- Efficiently managed multi-dimensional feature spaces to integrate diverse asteroid characteristics, enhancing the accuracy and depth of asteroid classification models.
- Accuracy is 95 percent

Stock market prediction [Link] | *Jupyter notebook, python, Machine learning, Data visualization* — Aug 23 – Oct 23

- Analyzed historical stock market data using statistical methods and advanced ML models (Linear Regression, SVM, Neural Networks) to forecast price trends and support strategic investment decisions.
- Improved prediction accuracy and reduced overfitting by integrating multiple models through ensemble techniques, including Bagging, Boosting, and Stacking, resulting in more robust machine learning outcomes.

Publications

Enhancing Sarcasm Detection on Social Media Using BERT and Hybrid Ensemble Learning — Apr 25

- Designed and implemented a sarcasm detection model using BERT embeddings and a hybrid ensemble of XGBoost and Random Forest, achieving 90% accuracy on Reddit data.
- Performed advanced NLP preprocessing and model tuning to enhance sentiment classification in short-text social media content.
- Link: https://drive.google.com/file/d/1Fhfl3ix8LAPgVyFcf8nM7FdTZqdxkim1/view?usp=drive$_i$*ink*

ACHIEVEMENTS

- Hackerrank in Python, GeeksforGeeks hackathon – Rank - 113, Geeks week-Locals, Python on Geeksforgeeks.
- Led regional club events at VIT University, competed in Madhya Pradesh state-level cricket selection, demonstrating competitive sportsmanship, State Kabaddi U16, 3 times cricket champions in Advitya.