POTLURI JASWANTH

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LinkedIn — GitHub

Career Objective

B.Tech Computer Science and Engineering (AI/ML) student with academic and project experience in machine learning, deep learning, and NLP. Skilled in Python, TensorFlow, and data preprocessing with a strong foundation in ML algorithms. Eager to contribute to AI/ML projects, expand expertise in computer vision, MLOps, and deliver impactful, real-world solutions

Technical Skills

- **Languages:** Python, SQL, Java
- **Libraries:** Pandas, NumPy, Scikit-learn, TensorFlow, Keras, OpenCV
- **Concepts:** Regression, Classification, Deep Learning, NLP, Feature Engineering
- **Tools:** Jupyter Notebook, PyCharm, Kaggle, Git
- **Databases:** MySQL

Projects

Stock Price Prediction (Regression)   *Jun-sep 2025*

- Built ARIMA,LSTM,SVM and Random Forest models to predict Netflix stock prices.
- Engineered features (moving averages, volatility); evaluated with r2 score,RMSE & MAE.

Employee Attrition Prediction   *Jan–Mar 2024*

- Engineered a suite of supervised ML models to proactively identify employees at high risk of attrition, using historical HR datasets.
- Optimized model accuracy by implementing rigorous data preprocessing, strategic feature selection, and comprehensive hyperparameter tuning.

Style Genie – Outfit Recommendation System   *Aug–Nov 2024*

- Created ResNet50 classifier with CLAHE preprocessing for skin tone classification (97% accuracy).
- Integrated classification results with a fashion recommendation API.

Post-Hurricane Damage Detection   *Jan–Apr 2025*

- Designed CNN model to classify hurricane-induced structural damage from satellite imagery.
- Achieved 92% validation accuracy.

Bedtime Story Generator (GRU)   *Ongoing*

- Implemented GRU-based text generator for bedtime stories.
- Improved vocabulary richness and thematic consistency by 15%.

Certifications & Achievements

- Oracle Cloud Infrastructure AI Foundations Associate – Oracle University (2024)
- AI & ML Internship – Intrain Tech (2024)

Education

B.Tech – Computer Science & Engineering (AI & ML)   *Oct 2022 – Jun 2026*
Vellore Institute of Technology, Amaravati
CGPA: 7.77 / 10