

VISHNU VARDHAN ANDE

+91 7989089896



andevishnuvardhan3@gmail.com



Machine Learning Engineer

Yusufguda, Hyderabad



Portfolio Website: bit.ly/3KFuwfl



SUMMARY

A Machine Learning Engineer and Data Scientist with 2 years of experience in the new media sector, specializing in Indic language applications. Skilled in automating manual processes and developing innovative NLP solutions, including grammar correction, spell correction, transliteration, and tag generation using advanced deep learning techniques and transformer models. Experienced in adopting the latest technologies to achieve good results and accuracy in language processing and other tasks.

EDUCATION

Rajiv Gandhi University of Knowledge and Technologies, Srikakulam

Bachelor of Technology in Computer Science and Engineering - 8.5 CGPA
2018 - 2022

Rajiv Gandhi University of Knowledge and Technologies, Srikakulam

Pre University Course on MPC - 7.9 CGPA
2016 - 2018

Z.P.High School, Ilavaram

Class X - 9.7 CGPA
2015 - 2016

SKILLS

- **Languages :** Python
- **ML Libraries and Frameworks :** Scikit-learn, Tensorflow, Keras, Pytorch, Hugging face, Transformers
- **Data Manipulation, EDA:** Numpy, Pandas, Matplotlib, Seaborn
- **Deep Learning:** Neural Networks, RNNs and Transformers
- **ML Algorithms:** Regression, Classification, Clustering and Ensemble Methods
- **Main Stream NLP Tasks(For Indic languages):** Grammar correction, Spell correction, NER, Transliteration, Next-word prediction and Text generation.
- **Web Designing Skills:** Basic Web designing and Streamlit
- **Version Control:** Git, Bitbucket
- **Databases Used:** MySQL, MongoDB, Elastic Search

PROFESSIONAL EXPERIENCE

Way2News Pvt Ltd, Hyderabad

Short news app | June 2022 - Present

Role: Machine Learning Engineer

Responsibilities:

- Train models from scratch, including tasks such as data collection, automated data generation, data cleaning, data normalization, feature analysis and extraction, preparing model architecture, model training, model validation and testing.
- Hyperparameter tuning and model fine-tuning to further improve model performance.
- Provide backend APIs for trained models and create basic front-end interfaces to manually validate model performance.
- Leverage open-source models and large language models (LLMs) or conversational models through their APIs, employing robust prompts to achieve optimal results at a reasonable price.
- Understand end-user requirements and deliver the most suitable results by applying post-processing techniques to the initial outputs from models or APIs.

Projects:

- **Grammar Error Correction Tool for Telugu and Tamil:** Developed a grammar error correction tool for Telugu and Tamil languages, utilizing advanced conversational models like Google's Gemini and Anthropic's Claude for accurate and contextually relevant corrections.
- **Reporter 5W1H Suggestions:** Developed a tool to ensure news articles address the 5W1H questions (Who, What, Where, When, Why, How), analyzing reporters' posts and providing suggestions for missing elements.
- **Context-Aware Multiclass Comment Classification:** Developed a context-aware multiclass classification model to categorize comments on news posts as positive, negative, or neutral, enhancing audience sentiment analysis by considering the context of the associated news article.
- **Automated Tag Generation for News Posts:** Developed an automated tagging system for news posts using SpaCy and a custom POS tagging algorithm to identify key elements like places, persons, organizations, events, and categories, enhancing content categorization and discoverability.
- **Automated Image Provision for News Video Generation:** Collaborated on a project to generate videos from news posts by extracting and utilizing suitable images. Employed NER models like SpaCy for identifying entities, Selenium for downloading relevant images, and DALL-E with prompts from Anthropic's Claude to create additional images.

For more details on these projects and other projects on ML and other fields, please refer to my [portfolio](#).