P Yagnitha

pyagnitha@gmail.com | +91 8309240451 | Hyderabad,India | 🔗 Yagnitha | ⌨ Yagnitha

EDUCATION

Bachelor's of Technology in Computer Science and Engineering (Artificial Intelligence) — **Oct 2021 - pursuing**
AMRITA VISHWA VIDYAPEETHAM | CGPA 8.01 — **Chennai, India**

Board of Intermediate Education — **Jun 2019 - Jul 2021**
Narayana Junior College | Percentage 96.5% — **Tirupati, India**

Board of Secondary Education — **Jun 2018 - May 2019**
Narayana EM School | CGPA 10.0 — **Tirupati, India**

SKILLS

- **Technical Skills:** Java, Matlab, MYSQL, CSS and HTML
- **Libraries:** Numpy, Matplotlib,NLTK and Pandas
- **Machine and Deep Learning:** Classification, Regression and Neural Networks
- **Language :** English, Telugu and Hindi
- **Soft Skills :** Team Work,Communication

ACADEMIC PROJECTS

Email Campaign Manager: Automate, Customize, and Analyze — **Oct 2024 - Nov 2024**

- Engineered a scalable email automation platform supporting 3 core features: CSV upload, custom email generation, and scheduling, using Flask and Celery.
- Integrated real-time analytics to track 5+ email delivery metrics, improving visibility and decision-making for campaigns.
- Streamlined email delivery for up to 1,000 recipients per batch using SMTP, PostgreSQL, and throttled scheduling.

Smart Health Advisor: A Voice-Activated Symptom Analysis And Medical Recommendation Platform — **Jul 2024 - Sept 2024**

- Developed a FLASK app with a voice-enabled symptom input feature enabling users to report symptoms through typing or speech and receive disease predictions along with comprehensive recommendations.
- Assessed machine learning algorithms, including SVC, Random Forest, Gradient Boosting, and KNN, and demonstrated that the MLP model surpassed all others, achieving perfect accuracy.

DisasterTweetLocator: Advancing Disaster Tweet Classification and Geolocation Mapping — **Feb 2024 - Apr 2024**

- Developed a bidirectional LSTM model with GloVe embeddings and transformers to classify disaster-related tweets, achieving 85.73% accuracy through hyperparameter tuning and dataset cleaning.
- Extracted tweet locations using NER and mapped data to aid disaster response by interpreting forecasts and analyzing patterns.
- Evaluated model performance using precision, recall, and F1 score, showcasing the effectiveness of advanced NLP techniques for geolocation and tweet classification.

PAPERS AND PUBLICATIONS

- **A Survey Of Drones In Agriculture Sector** - Published in the Journal Applied Mechanics And Materials
- **Synergy of CNN with Random Forest based Hybrid architecture to estimate the quality of Coherent optical communication** - Authored in International Conference on Integration of Computational Intelligent Systems (ICICIS – 2023)
- **Comparative Analysis Of Neural Network Models For Spam E-Mail Detection** - Documented in International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (ICAECT 2024)

CERTIFICATION AND COURSES

- Amazon ML Summer School :Completed a 4-week course at the Amazon ML Summer School.
- Coursera - Emotional Intelligence: Cultivating Immensely Human Interactions
- Coding Saathi - Data Science
- NPTEL - Python for Data Science :Achieved a score of 64% in Python for Data Science from NPTEL.
- 3D Printing Drones : Succeeded 83% in the 2-week Internship on 3D Printing Of Drones.