

Pranavee GP

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Education

Vellore Institute of Technology (2021 - 2026 July) Integrated M.tech in Artificial Intelligence And Machine Learning	Bhopal GPA: 8.17%
Narayana Junior College (2021) Graduated my studies in Mathematics,Physics,Chemistry	Andhra Pradesh CGPA: 81.8%
Bharatiya Vidya Bhavan, (10th Class) (2019) (Science, Mathematics, English,Telugu)	Andhra Pradesh CGPA: 70%

Projects

RAG Model through FastAPI (2024)

- Developed a model that generates the information live for weather and 2 other parameters where we used FastAPI to get the results and used that in the real world as a part of the project.
- Jointly prepared a whole LLM model that can predict the weather of that particular place and that particular time and that had been working with a 87% accuracy.

Student Guidance Platform (2023)

- Developed and deployed a student roadmapping platform, improving study guidance efficiency by 40% using SQL, HTML, CSS, and JavaScript.
- Integrated ML models with an 84% accuracy using the RandomForest algorithm, resulting in a 30% increase in personalised study recommendations.

Financial prediction Using Random Forest (2022)

- Found out the MSE Accuracy,MAE,RMSE, Accuracy testing percentage in the data of stocks for month and days.
- It stood out with an accuracy of 100%.

Object detection using Deep Learning- Yolo 7 (2021-2022)

- Achieved 94% accuracy in detecting potholes on campus roads, reducing detection errors by 30% compared to previous models.
- Utilised TensorFlow and PyTorch to develop the detection model, achieving a processing speed of 20 frames per second, enabling real-time performance.
- Conducted extensive testing and validation, leading to a 25% improvement in model robustness and a 15% decrease in false positives.

Spam-Mail Classifier (2021)

- Conducted a comparative analysis of RNN, CNN, and R-CNN against other algorithms, leading to a 15% improvement in classification accuracy, with the best model achieving 96% accuracy.
- Evaluated model performance using metrics such as precision, recall, and F1-score, optimising the final model with a 20% reduction in false positives using Python, Seaborn, and Keras.

Extra-Curricular Activities

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- DSW Team Lead:** Led 5-member team, boosting campus greenery by 20% (10+ tree drives) and improving waste management (15% reduction, 25% recycling boost) through university collaboration.
 - Unstop Learning:** Global Rank #1284 (overall) and #545 (female lead) for activity.

Skills

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- Machine Learning - NLP | Neural Networks | Deep Learning | Reinforcement Learning | Diffusion Models
 - Artificial Intelligence - GenAI | Data Visualisation|LLM Optimisation Strategies.
 - Programming Languages - Python | Java | HTML | CSS | SQL.

Certifications

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- Coursera - Introduction to TensorFlow for Artificial Intelligence, Machine Learning and Deep Learning