

# VISHNU SAI REDDY MOOLI

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Amrita school of engineering, chennai campus.

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## ACADEMIC PROFILE

Motivated and dedicated student pursuing engineering in Computer Science at Amrita vishwa vidyapeetham, with a strong foundation in robotics, programming and machine learning. I have honed my skills through academic projects and independent learning, demonstrating a passion for applying theoretical knowledge to realworld challenges. Eager to contribute to innovative projects, I am focused on gaining hands-on experience in Artificial intelligence, while continuously expanding my knowledge and expertise in the process.

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## EXPERTISE SKILLS

- Python
  - C Programming
  - Full stack devolpment
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## ACADEMIC PROJECTS

### Sentimental analysis with imbalanced code mixed data

Developed a sentiment analysis model to classify text data with imbalanced and mixed data distributions. Utilized machine learning techniques to handle class imbalance through resampling methods and weighted loss functions. Implemented NLP preprocessing techniques to clean and normalize textual data. Evaluated model performance using precision, recall, and F1-score to ensure balanced predictions. Optimized results by experimenting with different feature extraction methods like TF-IDF and word embeddings.

### Brain tumor detection using XGBoost and CNN

Developed a hybrid deep learning model combining CNN for feature extraction and XGBoost for classification to detect brain tumors from MRI images. Preprocessed medical images using normalization and data augmentation to enhance model robustness. Utilized transfer learning to improve feature learning efficiency. Evaluated model performance using accuracy, precision, recall, and AUC-ROC metrics. Optimized hyperparameters to enhance classification performance on imbalanced medical datasets.

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## EDUCATION & CERTIFICATIONS

### CLASS X

Narayana school (2019-2020)

### CLASS XII

Narayana junior college (2020-2022)

- Currently pursuing my under graduation at amrita vishwa vidyapeeth, chennai campus specialization in computer science.

**Web devolpment course for 6 months**

## EXTRACURRICULAR ACTIVITIES

- Cricket
- Coding
- Volley ball
- Volunteering