

MANIDEEP NELLIPALLI

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CAREER OBJECTIVE

Aspiring Electronics and Communication Engineer with a strong foundation in Python programming, signal processing, and problem-solving. Eager to contribute innovative solutions while enhancing technical expertise.

EDUCATION

2021 - 2025	B.Tech(ECE) at Vel Tech University , Chennai	(CGPA up to 6th semester: 7.7)
2019 - 2021	Class 12th (MPC) at Sri Chaitanya Junior College , Tirupati	(CGPA: 8.0)
2018 - 2019	Class 10th at Raju High School , Rajampet	(CGPA: 9.8)

PROJECTS

Brain tumor classification using a pre-trained deep learning model:

Explored the use of deep learning techniques for brain tumor classification, achieving promising results indicative of clinical potential. Utilizing pre-trained CNN models, the approach demonstrated high precision, recall, and F1-scores across various tumor types, including glioma, meningioma, pituitary tumors, and non-tumor cases.

Segmentation and classification of oral cancer:

Performed data preprocessing and class balancing to develop a CNN by fine-tuning the VGG16 model for oral cancer image classification. The model was trained using Binary Cross-Entropy and the Adam optimizer, with class weighting to address data imbalance. Confusion matrix and accuracy metrics verified the model's performance, yielding reliable predictions.

TECHNICAL SKILLS

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| • Python Programming | • CSS |
| • HTML | • Tableau |
| • UI/UX | • MySQL |

CERTIFICATIONS

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| • In-Plant Training at Voltme Motors Private Limited, Hyderabad. | 2023 |
| • Winner of Weekly Coding Contest | 2023 |
| • Completed Tessolve Certification in Embedded IOT and Industrial Automation | 2024 |
| • Introduction to Internet of Things(NPTEL) | 2024 |
| • Responsible and Safe AI System(NPTEL) | 2024 |

SOCIAL ENGAGEMENTS

- Active volunteer of National Service Scheme (NSS)