TEJA TANKALA

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EDUCATION

Vignana Bharathi Institute of Technology   Hyderabad, India
B.Tech in Information Technology, current CGPA: 7.92   *Dec. 2021 – Present*

Sri Chaitanya IIT Academy   Vishakapatnam, India

Intermediate in MPC stream, secured 90%   *Aug. 2019 – May 2021*

Vignan High School   Srikakulam, India

Tenth Standard, secured CGPA:9.5   *May-2019*

PROJECTS

Minor Project Title:
Enhancing Semantic Segmentation Using U-Net and PSP-Net Architectures
Key Contributions:
• Implemented and evaluated U-Net and PSP-Net independently to analyze their strengths in capturing local spatial details and global contextual information for semantic segmentation tasks.
• Optimized U-Net's encoder-decoder architecture with skip connections for high-precision object boundary detection, especially effective in medical imaging scenarios.
• Leveraged PSP-Net's Pyramid Pooling Module to enhance multi-scale feature representation, improving segmentation accuracy on diverse scenes and object sizes.
• Applied techniques such as data augmentation, advanced loss functions, and model tuning using Python on Google Colab, with evaluation on Cityscapes and Pascal VOC datasets.
• Demonstrated significant performance improvements over baseline models, with practical applications in autonomous driving and clinical image analysis.

TECHINICAL SKILLS

- **Languages:** Java**,**Python,HTML,CSS,JavaScript
- **DataBases:** SQL
- Data Structures & Algorithms, Machine Learning Algorithms, Object Oriented Programming
- **Cloud:** Basics of AWS

INTERSHIP

- Virtual Internship in Cyber Security at PaloAlto Network by Eduskills-AICTE
- Virtual Internship in Data Analytics Process Automation at Alteryx by Eduskills-AICTE
- Virtual Internship in Google Android Developer at Google by Eduskills-AICTE

CERTIFICATIONS AND ACHIEVEMENTS

- Certified Java full stack in TalentNext by Wipro
- **Oracle :** Recognized for my skills with a certification in Database Foundations
- **Infosys :**WebTechnologies(WT), C ,and Python.
- **Cisco :** Acquired certification in Network Essentials, Data Analysis Certification
- Certificate from **TITA** for participating In Innovation Hub