

KANCHERLA VENKAT SAI

B.E(CSE)

MVSR Engineering College, Hyderabad

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EDUCATION

Course	College/University	Year	CGPA/%
B.E(CSE)	MVSR Engineering College	2021-2025	9.05
Intermediate/+2	Narayana Junior College	2019-2021	95.8

WORK EXPERIENCE

- **Technical Member | MVSREC AIMER, Hyd** [Feb'24-Present]
 - Actively participated as a technical member in MVSREC AIMER, focusing on research in AI-ML.
 - Hands-on experience in artificial intelligence and machine learning research methodologies.
- **Cloud Open Source Co-Lead | GDSC MVSREC, Hyd** [Aug'23-Present]
 - Mentored a group of 10-15 club members, providing guidance, support, and technical assistance in their learning journey and project development.
 - Facilitated collaborative learning environments, encouraging knowledge sharing, teamwork, and peer-to-peer support within the GDSC MVSREC community.
- **AI and Data Science Intern | YBI Foundation** [Feb'24-Apr'24]
 - Completed an internship focusing on AI and data science methodologies and applications.
 - Gained hands-on experience in machine learning, data analysis, and model development.
 - Developed a movie recommendation system using collaborative filtering, achieving a 15 percent improvement in user satisfaction ratings and increasing user engagement by 20

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C++ , C
- **Libraries:** NumPy, Pandas, Matplotlib, scikit-learn
- **Tools/Frameworks:** TensorFlow , pytorch, React
- **Backend :** Nodejs, Express, RESTful API
- **Machine Learning:** Supervised and Unsupervised Learning, Model Evaluation, U-Net, YOLO, Collaborative Filtering
- **Experience:** Linux environment
- **Knowledge:** Data structures, algorithms, and software design

PROJECTS

- **Tracking Vehicle Count** [Apr'24-Apr'24]
 - Developed and deployed a vehicle counting system using YOLO for object detection and DeepSORT for tracking.
 - Achieved a 25 percent decrease in tracking errors, enhancing accuracy and efficiency.
 - Utilized custom infrastructure to support system requirements.
- **Image Segmentation** [Jan'24-Jan'24]
 - Developed and deployed an image segmentation system using U-Net.
 - Achieved 95 percent accuracy, Dice: 0.92, Jaccard: 0.88, Precision: 93 percent, Recall: 91 percent.
- **Results Website** [Oct'23-Oct'23]
 - Engineered and launched a website leveraging AWS infrastructure, leading to a 20% improvement in website loading time and a 10% increase in user engagement. Collaborated with a team of three engineers to successfully develop and launch the project.

CERTIFICATIONS

- **Programming Essential in C++, CISCO, 2023**
- **Programming Essential in C, CISCO, 2023**
- **Programming Essential in Python, CISCO, 2023**
- **Data Structures and Algorithms using Java, NPTEL, 2023**
- **Responsive Web Design, FreeCodeCamp, 2023**
- **AI-ML Virtual Internship, AICTE, 2024**