

SRICHARAN KANDAGATLA

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EDUCATION

B.Tech in Computer Science and Engineering, BML Munjal University
CGPA: 7.9

May 2023

SKILLS

Languages	Python, Java, DSA
Development	HTML, CSS, Bootstrap, Node.js, ML, Deep Learning, AI, Neural Networks
Frameworks	React(Beginner), Node.js, Next Js(Beginner), Pytorch, Tensor Flow, Open-cv, YOLOv5
Databases	MySQL, Firebase,
Tools	Git, Github, AWS(Beginner), Predictive modelling,
Soft Skills	Time Management, Teamwork, Communication, Problem Solving, Accountability

PROJECTS

Drone Detection and Tracking using YOLOv5 (DRDO Internship)

[GitHub](#)

- Developed and implemented the drone detection and tracking system using YOLOv5.
- Collected the data from various websites. Conducted experiments to evaluate the detection and tracking capabilities of the system.
- Developed proficiency in using YOLOv5 and related tools for object detection and tracking. Paper published in Atlantis Press presented it in Osmania University in Telangana.

Route Optimization for bus fleet

[GitHub](#)

- A web application that helps to colleges or schools for finding optimizing routes for bus fleet.
- It avoids traffic, safety finds optimal route for bus fleet.
- For Back-end worked on Docker, local instance, vroom and API (Open Route Optimization).

Brain Tumor Detection and Localization using Deep Learning

[GitHub](#)

- Used Deep Learning algorithms ResNet50, InceptionV3
- U-Net for tumor segmentation Accuracy of ResNet50 is 94.4%, InceptionV3 is 95.25%, U-Net is 99.58%.
- Predicted and segmented tumor on original MR images.

Traffic Sign Classification using Deep Learning

[GitHub](#)

- Created a model to classify traffic signs.
- The CNN model has been trained on a GTSRB dataset that contains train images of 43 classes.
- Implemented using TensorFlow, Keras libraries for classification model.
- Accuracy 95.27% and Prediction accuracy 96.785% And deployed the model.

EXTRA-CURRICULAR ACTIVITIES

- Organized and participated in few events in the club(Robotics).
- Certificate as a Intern in DRDO.

WORK HISTORY

Worked as a Web Developer(Front-End) Areksoft Technologies Private Limited

May - July (2021)

- Build a Food website consists of various food recipes, Worked with Html, Css and JavaScript