



# KATTA SRUJAN

## Engineering Graduate

To seek and maintain full-time position that offers professional challenges utilizing interpersonal skills, excellent time management and problem-solving skills.

## EDUCATION

April 2017  
10th Standard  
All saints high school, Abids,  
Hyderabad.  
CGPA: 8.3

March 2019  
11th&12th Standard MPC  
Krishna Murty IIT Academy,  
Vidyanagar, Hyderabad.  
CGPA: 8.96

November 2023  
Bachelor of Engineering ECE  
Thapar Institute of Engineering and  
Technology, Patiala, Punjab.  
CGPA: 6.60

## LANGUAGES

- Native Telugu
- Hindi
- English
- French

## HOBBIES

- Playing Football
- Building and Flying FPV drones
- Playing Guitar
- Skateboarding
- Boxing

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Apartment, Barkatura Bus Depot  
road, Barkatpura, kachiguda,  
Hyderabad-500027, Telangana,  
India.

## CERTIFICATIONS

- VLSI SoC Design using Verilog HDL (Maven Silicon)-09/07/2021.
- TensorFlow Developer in 2023:Zero to Mastery (Udemy)-09/11/2023.

## WORK EXPERIENCE

January 2023 to June 2023

Intern /Trainee

DRDL(Defence Research and Development Laboratory),  
Hyderabad , India

- 6-month stint on Indigenous Defence Projects.
- Focused on AI Band Vision Project led by Dr. Akula Naresh (Scientist-F)(Industrial Mentor).
- Implemented YOLOv7 on NVIDIA AGX XAVIER.
- Task involved object detection from Aerial view using a custom dataset from an Autonomous Aerial Vehicle.
- Added Parameters(Code) to the detection for specific applications under guidance of Industry Mentor.
- Collaborated with cross-functional teams to integrate enhanced object detection.

## EXTRACURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Secured first place in Inter-school science fair competition(All Saints High School)(10th Standard).
- Secured first place in Inter-school chess competition (All Saints High School)(9th Standard).
- Secured first place in Robotics competition (6th Standard) (Fastest Line follower robot).
- Played for Inter-school Football matches (Mount Fort Football team(All Saints High School)(Batch: 2017)).
- Scored 95 Percentile in JEE Mains.

## PROJECTS

- Robotic arm.
- IoT-based home automation system for home appliances (Arduino-based IR-based communication system) .
- Autonomous moving Bot using Arduino Duemilanove (Line following(IR) ,Obstrucle avoidance(IR),Gyro directional(gyroscope sensor)).
- Quadcopter (using Arduino Uno, pixHawk).
- Capstone Project: LIFI-based communication system (PC to PC data transfer) (Academic Project)(Minor Project).
- Mangonel project .
- Number plate detection using live camera feed on NVIDIA AGX XAVIER using YOLOv5 .
- Automatic dog feeder using Nodemcu and a timer clock .

## SKILLS

- Strategic thinking.
- Creative problem-solving.
- Good at Research(Examination and Literature Survey).
- Data analysis.
- Project management.
- Strong Communication.
- Collaboration.
- Time management.
- Python,C,Matlab,VHDL.
- Robotics.
- Image processing.
- Deep learning.
- Basics of Animaze.
- Basics of C and C++.
- Embeded Systems.
- Autocad.
- EAGLE (circuit designing)
- VLSI SoC Design .
- Linux OS,Windows.