

# K.SRUJAN | ENGINEERING GRADUATE

## PROFESSIONAL SUMMARY

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

## CORE SKILLS

- ✓ Python, C, Matlab, VHDL.
- ✓ Code structure & architecture.
- ✓ Image processing (Opencv).
- ✓ Deep learning(YOLO,CNN,Tensor Flow).
- ✓ Autocad.
- ✓ EAGLE(PCB/Circuit designing).
- ✓ Good at Research(Examination and Literature Survey).
- ✓ Creative problem-solving,
- ✓ Test driven development.
- ✓ Robotics(Arduino , NodeMCU , Nvidia AGX Xavier, RaspberryPi, Pixhawk).
- ✓ VLSI SoC Design.
- ✓ Linux OS, Windows.
- ✓ Time and Project Management.

## PROFESSIONAL EXPERIENCE

**DRDO-DRDL(Defence Research and Development Laboratory), Hyderabad, Telangana(500058)**  
Intern/Trainee | 06 January, 2023 - 06 June,2023

- 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. By

## RELEVANT PROJECTS

- Capstone Project: Visible Light Communication (LIFI-based communication system) (PC to PC data transfer)(Minor Project).
- Aerial View Object detection using a custom dataset on YOLOv7(Major Project).
- Number plate detection using live camera feed on NVIDIA AGX XAVIER using YOLOv5.
- Autonomous moving Bot using Arduino Duemilanove and various sensors.
- IoT-based home automation system for home appliances (Arduino-based IR-communication system).
- Quadcopter using Pixhawk, Arduino Uno.
- Real Time Body pose Estimation using webcam module.
- Real Time Body Segment Estimation using webcam module.
- Real Time 3D Face Mapping (Facial landmark Estimation) using webcam module.
- Real Time Hand pose Estimation using webcam module.

**Note: Please do Checkout the Portfolio website for more details on the Relevant projects.**

## EDUCATION

**2019 - 2023 | Thapar Institute of Engineering and Technology**

Bachelor of Engineering in Electronics and Communication Engineering

CGPA: 6.60

**March - 2019 | Krishna Murty IIT Academy**

11th&12th Standard MPC

CGPA: 8.96

JEE Mains Percentile: 95.3

---

## April - 2017 | All Saints High School

10th Standard

CGPA: 8.3

---

### PORTFOLIO

- <https://github.com/Srujan29112001/Portfolio4.git>

---

### CERTIFICATIONS

- VLSI SoC Design using Verilog HDL (Maven Silicon).
- TensorFlow Developer in 2023:Zero to Mastery (Udemy).
- The Data Science Course: Complete Data Science Bootcamp 2024 (Udemy).
- Applied Control Systems 1: autonomous cars: Math + PID + MPC (Udemy).
- Self Driving and ROS 2 - Learn by Doing! Odometry & Control (Udemy).

---

### 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.

---

### LANGUAGES

- Native Telugu.
- Hindi.
- English.
- French.

---

### HOBBIES

- Playing Football.
- FPV Drones Racing.
- Playing Guitar.
- Skateboarding.
- Boxing.

---

### CONTACT INFORMATION



ksrujan\_be19@thapar.edu  
kt.srujan@gmail.com



+91 9100725768



Flat no 101, Arundati Plaza Apartment, Barkatura Bus Depot road, Barkatpura, kachiguda, Hyderabad-500027, Telangana, India.



<https://github.com/Srujan29112001?tab=overview&from=2023-11-01&to=2023-11-30>



<https://www.linkedin.com/in/k-srujan2>

---