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.

RELEVANT PROJECTS

- Capstone Project: Visible Light Communication (LIFI-based communication system) (PC to PC data transfer)(Minor Project).
  Report Link:https://drive.google.com/file/d/1YC3hXzvVLUbikyAlgzMJ0y7ehvNNUnla/view?usp=drive_link
- Aerial View Object detection using a custom dataset on YOLOv7(Major Project).
  Report Link:https://drive.google.com/file/d/1agbZXO9zZZW1LhrW0bGWnc0CRRDbf-1P/view?usp=sharing
- Number plate detection using live camera feed on NVIDIA AGX XAVIER using YOLOv5.
- Autonomous moving Bot using Arduino Duemilanove and various sensors.
  Report Link:https://drive.google.com/file/d/1B-I5FMICmN4PohlRveNu3natGdYm58wJ/view
- IoT-based home automation system for home appliances (Arduino-based IR-communication system).
- Automatic dog feeder using NodeMCU and a timer clock.
- Quadcopter using Pixhawk, Arduino Uno.
- Academic Boot Camp Group Projects: Mangonel Project and Robotic Arm Project.

EDUCATION

2019 - 2023 | Thapar Institute of Engineering and Technology
Bachelor of Engineering in Electronics and Communication Engineering
CGPA: 6.60

EDUCATION

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

CERTIFICATIONS

- VLSI SoC Design using Verilog HDL (Maven Silicon).
  Link:https://drive.google.com/file/d/1KiFMtNSrnd4AI-EjfhoiXtlCnaly0AZC/view?usp=drive_link
- TensorFlow Developer in 2023:Zero to Mastery (Udemy).
  Link:https://drive.google.com/file/d/1guJUytYhVLgogCgm1RYnld9HNtbOIDWd/view?usp=drive_link

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.