

HEMANTH VASU

LinkedIn : [ln/hemanthvasu](https://www.linkedin.com/in/hemanthvasu)

CONTACT

91-9080124409
hemanthvasu23@gmail.com
Chennai , India

SKILLS

Arduino(embedded C)
Python
C++
AutoCAD
Fusion360(beginner)
Eagle(beginner)

EDUCATION

- Higher Secondary School Certificate (90%)(2021)
- B.Tech in Electrical and Electronics Engineering at VIT Chennai. (Pursuing 2nd year)
CGPA - 8.2 / 10

LANGUAGES

English (Advanced)
Tamil (Advanced)
Telugu (Speak)

PROJECTS

- PCB for line follower with miniaturized version of Arduino Mega.
- Robotic Arm control using IMU and Flex Sensor.
- Quadruped
- Hexapod
- Quadcopter

PROFILE

Aspiring Robotics engineer with over 3 years of industrial experience in Python, C++, and electronic engineering. A competent communicator with a team-oriented personality and adept at picking up skills. Aiming to synergistically work towards a futuristic vision in robotics.

COURSES AND INTERESTS

2014 - 2016

Undertook courses of varying ranges of beginner as well as advanced levels of Robotics at **SP Robotics Pvt Ltd.**
Participated in **National level** competition, **Tathva'16** organised by **NIT Calicut.**

2017 - 2020

Participated in Multiple **Competitions.**

(Robo Race, Line follower, Robo soccer, RoboWar)

- Tathva'18, **NIT Calicut.**
- TechnoXian Championship'18 , Delhi.
- Robotex'19 Qualifiers , Mumbai.
- Robotex'19 **International** , Ahmedabad.
- Tathva'19, **NIT Calicut.**
- Robotixlab Championship '19 , Chennai.
- ROBO Wars Event , **IIT Madras**

WORK EXPERIENCE

2018 - 2020 Intern at INRO Labs

- Led Other Students as a mentor to build race and soccer robots for competitions.
- Successfully presented **Seminars** on Arduino and C++ Programming at **Anna University** for Engineering Students.
- Conducted an Interactive Session on Electronics and Sensors for Children of **TCS Employees** at TCS.
- Built a **surveillance Robot** For the Chennai **Police Department** during the Pandemic.
- Built an **Assistant Robot** during my Internship Period at INRO LABS

2022 - 2023 Embedded Developer , Spezar Tech

- Worked on developing an **embedded board** with built-in IMU, and other sensors.
- Developed content for a course on building **micro-satellite.**
- Conducted workshop on **Drone Building.**

2023 - Present Head Of Operations , Dreadnought Robotics

- Heading the junior members of a multidisciplinary team of 70 members working on 5 different types of robots with Level 2 autonomy .
- Led a squad of 8 members to build an ROV for **TAC Challenge , Norway.**
- Successfully debuted our first **ROV** in TAC Challenge , Norway .
- Heading the **AUV** Department on the build of our next AUV.

HONORS AND AWARDS

- Winner of **International Space Science Challenge'22** in **Space robotics** category.
- 2nd Place in Line Follower event at **Robotixlab Championship'19.**
- 2nd Place in Robo Race event at **Robotixlab Championship'19.**
- 1st Place in Autonomous Sumo at **Robotex'19 Qualifiers.**
- 2nd Place in Autonomous Sumo at **Robotex'19 International** , Ahmedabad.
- 2nd Place in Robo Race at **Robotex'19 International** , Ahmedabad.
- 3rd Place in Robo Race at **TechnoXian Championship'18.**