Tarannum Perween

https://tarannum-perween.github.io/
Muzaffarpur,Bihar,842003
183103@nith.ac.in | +91-6200015660

EDUCATION

NIT HAMIRPUR
B.Tech in Mechanical Engineering
2018-2022 | Hamirpur, H.P
CGPI: 8.2 / 10.0

S.N. SAHAY COLLEGE
Intermediate
2015-2017 | Muzaffarpur, Bihar

ST JOSEPH'S SENIOR SECONDARY SCHOOL
Matriculation
May 2015 | Muzaffarpur, Bihar

LINKS

Github:// tarannum-perween
LinkedIn:// tarannum03
Youtube:// Tarannum-projects
Hackerrank:// tperween20

SKILLS

languages
C • Python
Tools and Technology
SOLIDWORKS • MATLAB • V-REP • Linux • Git • GitHub
OpenCV • ROS • Gazebo
Machine Learning • Deep Learning

COURSEWORK

Robot Operating System with OpenCV
ROS Localization, Navigation and SLAM
Arduino(Udemy)
MATLAB Onramp(MathWorks)
Git and GitHub(Coursera)
Machine Learning(Ongoing)(Coursera)

SOCIETIES & CLUBS

2019	Robotics Society NITH (Coordinator)
2018	SPIC MACAY NITH (Volunteer)
2018	NSS NITH (Cadet)

EXPERIENCE

RESEARCH INTERN AT NEW YORK UNIVERSITY | Robotics
August 2021 - Present | NewYork, Remote

- Currently, working on Rehablitation Engineering.

RESEARCH INTERN AT IIT PATNA | Robotics
May 2021 - Present | India, Remote

- Working on the stablity of the Bio-Inspired Lizard Robot, and on the simulation part of the Robot using Copelliasim.

THE SPARK FOUNDATION | Computer vision
Jan 2021-Feb 2021 | India, Remote

- Implement an object detector which identifies the classes of the objects in an image or video.
- Object Detection using SSD-MobileNetv3 and Implementation using Python, OpenCV and famous coco.names dataset.

PROJECTS

LINE FOLLOWING DRONE
In this project I used Copelliasim(V-rep) simulator to build Line Following drone. The programming Language used is Lua.

TRAFFIC SIGN RECOGNITION
I build a deep neural network model that can classify traffic signs present in the image into different categories. Model Accuracy is up-to 95 percent.

GESTURE CONTROLLED ROBOTIC ARM | Leader Robotics Society NITH
The 3D Model is a representation of a human arm.
The code comes with the package (Arduino IO package) to enable the Simulink library.

OBSTACLE AVOIDANCE ROBOT WITH AI INTEGRATION | Robotics Society NITH
It was an intelligent device that can automatically sense the obstacle in front of it and avoid them by turning itself in another direction.

ROBOT FOR ROBOWAR | NIT Hamirpur
The robot was a defensive bot.My Team has got 3rd prize in the NIMBUS 2019 (Technical fest of NITH).

OTHER ACTIVITIES & ACHIEVEMENTS

workshops	Organized a workshop on obstacle avoidance Robot.
Competitions	Participated in Technoxian, Hult Prize,& Robowar
Winner	Earn 3rd prize in Robowar & Top 100 participant in Olympiad 2.0