Tarannum Perween

https://tarannum-perween.github.io/

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EDUCATION

NIT HAMIRPUR
B.Tech in Mechanical Engineering
2018-2022 | Hamirpur, H.P
CGPI: 8.15 / 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-youtube**
Hackerrank:// **tperween20**

COURSEWORK

Aerial Robotics
Robot Operating System with OpenCV
REDHAT Linux
MATLAB Onramp
Git and GitHub
Data Structure and Algorithm
Deep Learning
Python 3

SKILLS

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

SOCIETIES CLUBS

2019	Robotics Society NITH
2018	SPIC MACAY NITH
2018	NSS NITH

EXPERIENCE

MYSURU COUNSULTING GROUP | Machine Learning
Feb 2021 - Present | India, Remote

GIRLSCRIPT SUMMER OF CODE |Open Source Contributor
Feb 2021 - Present | India, Remote

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

ALIEN INVASION GAME
This is a 2D game in which the aim is to shoot down a fleet of aliens as they drop down on the screen. I Made it using Python language, Pygame module in Linux (Ubuntu).

GESTURE CONTROLLED ROBOTIC ARM | Leader Robotics Society NITH
The 3D Model is a representation of a human arm. First, I modelled it using SOLIDWORKS and then I transferred it into Matlab / Simulink using the SimMechanics Link from Mat works.
Tools used were SOLIDWORKS, Matlab Simulation. 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. We used C++ language. I have done the hardware part and give training to the Bot.

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).

AWARDS

2020	top 37/3000+	Summer of code with IIIT Una
2020	top 60/3000+	Placemnt Maze coding Event by Coding Ninja
2019	3rd prize	Robowar, conducted by the core team at NITH
2019	Top 100 participant	Olympiad 2.0 by National Engineering Olympiad