

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

Machine Learning(Ongoing)

Deep Learning

Python 3

SKILLS

Programming

C • Python

Tools and Technology

SOLIDWORKS • MATLAB • V-REP

• Linux • Git • GitHub

OpenCV • ROS • Deep Learning

Numpy • pandas • Matplotlib

seaborn

SOCIETIES CLUBS

2019 Robotics Society NITH

2018 SPIC MACAY NITH

2018 NSS NITH

EXPERIENCE

MYSURU COUNSULTING GROUP | MACHINE LEARNING

Feb 2021 - Present | India, Remote

GIRLSSCRIPT 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+

2020 top 60/3000+

2019 3rd prize

2019 Top 100 participant

Summer of code with IIIT Una

Placemnt Maze coding Event by Coding Ninja

Robowar, conducted by the core team at NITH

Olympiad 2.0 by National Engineering Olympiad