

(+91) 7398382758  
Lumbini, Nepal  
mformanish6@gmail.com

# Manish Kumar Gupta

Github: zerix-T  
LinkedIn: manish-gupta-r0bot33n

An enthusiastic fresher with highly motivated and leadership skills having bachelors of engineering degree in Robotics and Automation. Good skills in Robot Kinematics and Dynamics and Robot Navigation and Motion Planning. Willing to find a relevant opportunity to enrich problem solving skills.

## SKILLS

<b>Domain</b>	Robotics, Machine Learning, Automation, Computer Vision
<b>Programming Languages</b>	C/C++, Python, Octave
<b>Tools</b>	ROS, Fusion 360, Arduino, RaspberryPi, GIT
<b>Frameworks</b>	Gazebo, OpenCV, Flask, Tensorflow, scikit-learn
<b>Communication</b>	English, Hindi, Nepali, Awadhi
<b>Soft Skills</b>	Leadership, Event Management, Public Speaking, Problem solving

## PROJECTS

<b>Office Assistant Bot</b> ( <i>Python, ROS, Hardware</i> )	May, 2022
<ul style="list-style-type: none"><li>Performed Face Recognition, Voice Recognition, Gesture Control .</li><li>Used ROS for Bot motion control through Arduino Mega and L293D motor driver.</li><li>Configured RaspberryPi for Master-Slave and Recognition and command control features.</li></ul>	
<b>Leafy - Plant Disease Detection</b> ( <i>CNN, TensorFlow, Machine Learning, Image Processing</i> )	March, 2022
<ul style="list-style-type: none"><li>Detect plant diseases by scanning the leaf of plant.</li><li>Used concept of CNN to classify the leaf images to detect disease by locally deployed Deep learning model optimized by TensorFlow.</li><li>Applied K-means clustering technique on leaf images to find out the infected region.</li></ul>	
<b>Low Cost Remote Camera Security</b> ( <i>Esp32 Cam, API, C++</i> )	November, 2021
<ul style="list-style-type: none"><li>Capture unusual movement and alert user by sending pictures to his/her cellphone.</li><li>Allowed user to ask for cam stream or picture at any instance remotely.</li><li>Detect defined motions using Ultrasonic sensor and Camera and provide local storage too.</li><li>Performed API calls and sensor interfacing.</li></ul>	
<b>Movie Recommender Web App</b> ( <i>Scikit-learn, NLP, Machine Learning</i> )	January, 2021
<ul style="list-style-type: none"><li>Recommend movies related to users input.</li><li>Performed nltk porter stemming and sklearn feature extraction and Count word vectorizer.</li><li>Used cosine similarity on kaggle dataset.</li><li>Interfaced the model to web app and deployed after optimization.</li></ul>	

## EDUCATION

<b>B. Tech. in Robotics and Automation</b> , <i>Faculty of Engineering and Technology - Jain University</i> <i>Bangalore, India</i>	July 2019 - June 2023
<b>Intermediate in Science</b> , <i>Siddharth English SS</i> <i>Butwal, Rupendehi, Nepal</i>	July 2017 - June 2019

## HONORS AND AWARDS

Awarded Compex Scholarship for pursuing B.Tech in Robotics and Automation by Ministry of External Affairs, India-	August, 2019
Participated in National Mathematical Quiz organized by Nepal Mathematical Society (NMS)	January, 2019
2nd Place Winner in Public speaking competition organized by PABSON	Spring 2016

## CERTIFICATIONS

<b>Machine Learning Offered By Stanford University</b> , <i>Machine learning, statistical pattern recognition, Supervised learning and Unsupervised learning techniques.</i>	Coursera 2022
<b>Essential Math for Machine Learning: Python Edition</b> , <i>By Microsoft General Technical Skills.</i>	LinkedIn learning 2019