Shlok Mehendale

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⚑ Website

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in Shlok Mehendale

Education

BE Computer Science , MSc Mathematics
BITS PILANI, KK BIRLA GOA CAMPUS ⬀
2022 – present | Goa, India

Skills

Languages :-
Proficient : Python, Java
Comfortable : C/C++, HTML, MATLAB
Familiar : SQL, Go, CSS, CUDA

ML/DL Libraries and Frameworks :-
PyTorch, Tensorflow, NumPy, Matplotlib, Pandas, OpenCV, MediaPipe, Scikit-learn, ROS, Keras

Projects

Support Vector Machines and Their Applications
Undergraduate Research
Dec 2023 – present
- Under the mentorship of Dr. JK Sahoo ⬀ , *HOD Mathematics, BITS Goa*

Hand Gesture Recognition Controlled Rover using Deep Learning ⬀
Project Kratos
Oct 2023 – Dec 2023
- Created and successfully implemented two versions individually, one using OpenCV and MediaPipe and the other using a LSTM to detect Hand Gestures and move the Mars Rover according to the instructions provided

Designed a Landmine Detection and Extraction Robot ⬀
Automation Division, ERC Hackathon
Jun 2023 – Aug 2023
- Implemented Path planning in ROS and Colour Detection using OpenCV with the help of colleagues in this group project

Experience

Autonomous Subsystem, Project Kratos : ⬀
Member
Oct 2023 – present
- Implemented a *Hand Gesture Recognition Model* on the Mars Rover
- Worked on Point Clouds and Elevation Maps obtained using *ZED-2i*

AAP Mentor for Probability and Statistics, CTE : ⬀
Academic Assistance Program, BITS Goa
Sep 2023 – Nov 2023
- Cleared doubts of First year students in the above subject and taught related concepts
- Certificate can be seen here

Online Courses

Machine Learning Specialization
Stanford University, Deep Learning.AI

CS 229: Machine Learning
Stanford University

AI Club Summer School,2023 ⬀
IIT Madras
My solutions to the assignments

INTRO TO ML/DL
CTE, BITS Goa

Organizations

PATHFINDERS ⬀
Executive Head
Mar 2023 – Aug 2023
- A non-profit organization, formed by the students of BITS Goa to mentor engineering aspirants, solve their academic doubts, and help them boost their preparation in the last phase of their preparation.
- Lead a team of 6 people, learned marketing skills, and connected with amazing people in the edtech industry.
- It was a semester-long project and the results were, ~45 students got into prestigious institutions such as IITs, NITs and BITS

Department of Photography ⬀
Crew Member
Nov 2022 – Aug 2023
- Acquired Photo and Video editing skills using Adobe Lightroom, Adobe Photoshop and Adobe Premier Pro