Atulya Deep

UNDERGRADUATE STUDENT

Details

Chennai
India
9816622382
atulya.deep@gmail.com

Links

Github

Linkedin

Skills

- MySQL
- Machine Learning
- Neural Network
- Computer Vision
- Python
- JavaScript
- Web Develpoment

Hobbies

Badminton
Cooking
Swimming

Languages

- English
- Hindi

Profile

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Enthusiastic 3rd year artificial intelligence student seeking to deliver state-of-the-art AI solutions for the world. Experience includes using algorithms and Neural network models for my own personal projects and research paper . Relevant skills include Machine Learning, Data Structures, and Computer Vision.

Education

10th, PODAR INTERNATIONAL SCHOOL, Nagpur

JUNE 2017

9.2 CGPA

12th, Dav Public School, Patna

JUNE 2021

85.2%

B,tech, SRM Institute Of Science & Technology (Deemed University), Chennai

9.42 CGPA

Work Experience

Intern, SHPC Pvt Ltd, Mumbai

JUNE 2021 — AUGUST 2021

Worked as intern on Web Dev part of the company as a full stack developerHS

-SQLdatabase

-HTML/CSS

-.NET framework

Research Intern, IIT Patna, Patna

OCTOBER 2022 — JANUARY 2023

I researched and implemented various Neural Network model with contrastive learning and performed comparative study between the latest techniques and custom model.co-authored of a research paper "Tabular Entity Relationship Establishment using CLF-RCNN with TERED" for IJCNN Conference 2023

Certification

Database Management System, NPTEL

JANUARY 2023 — MARCH 2023

SQL for Data Science, UC Davis

MARCH 2023

Convolutional Neural Networks in TensorFlow, DeepLearningAI

NOVEMBER 2022

Natural Language Processing in TensorFlow, DeeplearningAI

NOVEMBER 2022

Data Science Methodology, IBM

OCTOBER 2022

CINTEL's NEXT-GEN AI IDEATHON

OCTOBER 2022

Finalist

Nvidia Jetson Nano Workshop, Chennai

JUNE 2022

Organized by: Dep of CINTEL |

Jetson Nano kit - Handson workshop

- Worked with Yolo V5 library for object detection

- Furniture detection model

- Deployment of the model

IDEX Defense hackathon, Chennai APPROVED

JULY 2022

GOT SELECTED AND FUNDED BY SIIEC

Projects

Reinforcement Learning Navigation system

FEBRUARY 2023

Design a navigation system for a food delivering robot that can determine the most efficient way to reach a goal location while avoiding trap locations.
A Tetrix MAX has been programmed to perform the navigation task. The bot is tasked with delivering to a specific location and needs to determine the optimal route while avoiding traps that may hinder its progress.

Neuro-Genetic-disorder-prediction

SEPTEMBER 2022 — NOVEMBER 2022

Alzheimer's and Parkinson's disease are the most common forms of dementia that degenerate neurons in the brain cells. This paper targets a comparative study on the performance of machine learning classifier and Neural Network techniques in neuro-degenerative data. The Neural Network algorithms gives classification accuracy ~92% with One hot Encoding Method.

Smart Attendance System (FACIAL RECOGNITION)

MAY 2022 — JULY 2022

A face recognition attendance system automatically identifies and confirms a person and records attendance based on their face detection. Compared to existing system traditional attendance marking system, this system reduces the workload of people. This proposed system is implemented with 4 phases such as Image Capturing, Segmentation of group image and Face Detection, Face comparison and Recognition, Updating of Attendance in database.

Furniture Detection - Computer Vision

APRIL 2022 — JUNE 2022

Computer vision is a rapidly growing field in the technology and computer science world. An object detection system consists of recognizing, classifying, and localizing, not only one piece of furniture in an image but every referenced piece of the furniture mentioned. One of the most popular algorithms to date for real-time object detection is YOLO (You Only Look Once). The great thing about this Deep Neural Network is that it is very easy to retrain the network on your own custom dataset. In this project, we have made a custom dataset consisting of 6 classes of furniture