Daanish Sharma

daanish1sharma@gmail.com • Linkedin • Git: https://github.com/daanishsharma

EDUCATION

Thapar Institute Of Engineering And Technology, Patiala |Bachelor of Science in Computer Science   August,2023
- GPA: 8.17/10

Delhi Public School, Patiala | Physics,Chemistry,Mathematics   May, 2019
- MARKS: 85%
- *Top 4.3 percentile all india in* Joint Engineering Entrance Exam,2019

EXPERIENCE

Undergraduate Fellow Intern   May,2021 - October,2021

Thapar Institute Of Engineering And Technology | Patiala, India

Key Accomplishments:
- Developed image classification models for plant disease identification for maize and cassava crops.
- Developed deep learning models for deep-fake video detection.
- Developed an IoT enabled precision irrigation system.Based on weather and soil perimeters it recommends daily irrigation needs for wheat and rice crops.

Contact : Dr.Parteek Bhatia - https://parteekbhatia.com/

PROJECTS

Game Playing AI Agents LINK

Implemented game theory algorithms on games designed in pygame(Python) . Which include-

1. Sliding Puzzle Solver (A* Graph Search)
2. Minesweeper (Propositional Logic Based Reasoning)
3. Tic-Tac-Toe (Min-Max Algorithm)
4. Nim (Q-learning)

Piano Music Generation (NLP Project) LINK

Implemented RNN model that trains on piano notes data from Irish songs predicts next notes given a starting note, thus generating new tunes.

Line Follower Buggy

Implemented a proportional–integral–derivative control(PID) based line follower robot car.

SKILLS

Programming Languages: C/C++, Python , and Javascript

Databases - MySQL

Web - HTML, CSS, Django and Flask

Operating Systems - Ubuntu, and Debian

COURSES TAKEN

Database Management Systems, Operating Systems, Data Structure And Algorithms, Discrete Mathematics, Computer Networks, Probability And Statistics and Machine Learning