Paras Madan

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EDUCATION

B-Tech in Electronics and Computer engineering
Thapar Institute of Engineering and Technology ,Patiala ,India
2018 - Present

High School
St. Mary's Academy, Saharanpur

Senior School
St. Mary's Academy, Saharanpur

PERSONAL PROJECTS

A Health Assistant with live scrapping for Indian Government
- made a Chatbot for Indian Government for their upcoming project known as **Aarogya Parahari** that automatically scrappes heath data from websites of Indian Government. The Chatbot can be seen at **https://aarogyaprahari.in/**

An NLP based Chatbot for our college
- A Fusion of flow based and an NLP based Chatbot that understands human language for our university that helps parents and students that ensures a seamless experience of our website. **http://thapar.edu/**

Autonomous Trash Collection Boat
- Autonomous Trash collection boat using Computer Vision and Deep learning. **https://youtu.be/qdPjML6B0FI**

Data analysis and helping companies monitor their social media reputation and success of their marketing campaign.
- Text Summarization , Sentimental Analysis and other NLP techniques

Solution for Agricultural Wastage of water in Paddy fields
- Project for farmers for prevention of over irrigation of Paddy fields. Won 7th prize in ACM India 2018.

Photography Grading Using Convonutional Neural Network (CNN)
- An Algorithm based on dataset being taken by scrapping Instagram profiles of renowned photographers and then training the algorithm to grade a photo on a 1-10 scale.

SKILLS

`NLP` `Machine-Learning` `Deep-Learning` `AWS` `Google Cloud` `Cloud Deployment` `Microcontrollers` `Raspberry Pi` `Web Scrapping` `Backend Development` `Deployment of ML models` `Python` `C++` `C`

ACHIEVEMENTS

Won 1st prize in HACKSAGON organized by IEEE at IIITM Gwalior
Made an Autonomous Trash Collection Boat based on Computer Vision and Deep learning

Won 1st prize in Hackathon organized by IEEE at Punjab Engineering College, Chandigarh
Created a tool which could be used to see "Which kind of trees and in which ratio trees must be planted to produce maximum amount of oxygen in the air". In the long vision we planned to create an artificial ecosystem by predictions in a simulation.

Taken 3 workshops on Artificial Intelligence and IOT
Workshops where I taught my college mates about the advancements about the advancements about AI and taught same basic skills about machine learning and NLP under Google Student Developer Club.

EXPERIENCE

Founder – AnalyticWare
Started in May-2020 -Present
AnalyticWare is a NLP based venture found with the aim of leveraging the power of AI in natural language. The company is aimed at providing Text Summarization and multilingual Chatbots in all regional languages of India

Machine Learning Intern at Indian Institute of technology (IIT Roorkee)
June-2019 -August-2019
I worked as a machine learning intern where my role was to predict the characteristics of electronics components like mosfet using neural networks

EXTRA-CURRICULAR

GOOGLE DEVELOPER STUDENT CLUB, TIET (DSC-TIET)
(06/2019 – Present)
Core Member AI and ML team.

ORION, the Official Tech-Fest of our College
(08/2019 – Present)
Member