ANKIT KUMAR

Student

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EDUCATION

B-Tech in Computer Science With Business System

- Vellore Institute of Technology - Vellore.
- Class Representative of Business School
- Cgpa: 8.06 (up to fifth semister)

12th Education

- Indian School Certificate (ISC) - (2019-2020)
- Rajendra Vidyalaya - Jharkhand
- Design Head of the school and a core-committee member of biggest event among schools -"**Leozera**".
- Percentage: 8.2%

10th Education

- Indian Certificate of Secondary Education (ICSE) - (2017-2018)
- Rajendra Vidyalaya - Jharkhand
- Percentage: 90.02%

PROJECTS

- Crop Recommendation and Irrigation System using Machine Learning and Internet Of Things.
- Anomaly detection using Machine Learning , Google API and GPS module system.
- Personal Portfolio Website.
- Gym Website to enroll and register people to the gym.
- Redesign of MS Teams using Figma and Canva.

HONORS & AWARDS

- Active participant in various coding contests on Codechef and Codeforces.
- Active participant in various designing competition and also won some related designing competitions like Design-e-thon.
- Flipkart 4.0 grid participant.
- Hackathon Participation.
- Second Prize at Regional Artistic Competition.
- Participation at International Abacus Competition

SKILLS

- Java
- C++
- Html
- CSS
- Javascript
- Operating System

PROJECTS IN DETAILS

Crop Recommendation and Irrigation System using Machine Learning and Internet Of Things.

- Specifically the Extreme Gradient Boosting (XGBoost) algorithm, and a weather API to forecast rain.
- Involves the collection of soil parameters such as NPK levels, humidity, temperature, and soil moisture using sensors. These sensor values are transmitted to the Arduino microcontroller, which serves as a central control unit for the system, which is connected to a relay module
- This crop recommendation and irrigation system utilizes the XGBoost algorithm to provide highly accurate crop recommendations, with a success rate of 99.1%.
- To learn more - **GITHUB**

Anomaly detection using Machine Learning , Google API and GPS module system.

- Utilizing the results through Google API, scene detection shall be employed to locate the person within their surroundings. (E.g., Bedroom, Bathroom, Garage, etc.).
- Natural Language Processing shall be extensively utilized to convert object data to easier to understand language data, which will help assist people better.
- The entire above-mentioned process shall be enabled via a seamless application flow that is developed in a multi stack approach with python being the primary choice for handling artificial intelligence related tasks.
- The overall system shall be integrated into a singular, easy to use and intuitive application to help users.
- To learn more - **GITHUB**

Personal Portfolio Website

- Developing Personal fortfolio website using Html and CSS.
- To go to the website - **Click Here**

RESPONSIBILITY

Media/Outreach Head of IEEE-IAS - VIT

- Configured graphics design elements to optimize functionality on desktop and mobile devices.
- Designed web-based advertisements and social media ads to add visually appealing elements to client advertising campaigns.
- From January 2022 - January 2023