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Rishi Kumar

Technical Skills: C++, Python, Data Structures and Algorithms, Machine Learning, Object Oriented Programming-C++, My SQL, OpenCV

Certification:

- Data Science for Beginners, Board Infinity, January 2023
- Artificial Intelligence Analyst, IBMCE, July 2023

EDUCATION			
Board	Tenure	Educational institution	CGPA/Percentage
B. Tech (CSE cyber)	September 2020 – Ongoing	Vellore Institute of Technology, Bhopal	8.08 / 10
Class XII (CBSE)	May 2020	D.A.V Public School	87.16 %
Class X (CBSE)	May 2018	St. Paul's Modern School	86.66 %

PROJECTS	
Machine Learning	<ul style="list-style-type: none">• Gesture Brightness Controller November 2023<ul style="list-style-type: none">- Description : This project utilizes hand gestures via computer vision to dynamically control screen brightness.- Work : It employs Mediapipe and OpenCV to track hand landmarks, calculating the distance between specified points to adjust screen brightness via hand gestures.- Result : Users can intuitively modulate screen brightness by altering hand gestures, offering a novel and interactive approach to brightness control.- Technology & Tools: VS CodePython, Open CV, Mediapipe- Link : github.com/iAmRishijha/Gesture-Brightness-Controller
Machine Learning	<ul style="list-style-type: none">• Movie Recommendation System November 2023<ul style="list-style-type: none">- Description : Developed a machine learning model to suggest movies based on interest.- Work : Trained the model on a labeled dataset of movies, using a variety of features, including the important information about movies say name, genre description, keywords, casts and directors.- Result : The model suggests 10 movies according to the interest of the user.- Technology & Tools: Jupyter Notebook, Python- Algorithms : vectorization, Cosine similarity- Link : github.com/iAmRishijha/Movie-recommendation-system
Machine Learning	<ul style="list-style-type: none">• MediPred April - May 2023<ul style="list-style-type: none">- Description : A Python GUI-based application was designed to predict diseases using machine learning.- Work : The application allows users to input their symptoms and other relevant information, and then uses the ML algorithm to predict the most likely disease.- Result : The application also provides users with information about the predicted disease, including its causes and precautions.- Technology & Tools : Jupyter Notebook, VS Code, Python, Tkinter- Algorithms : Decision tree, Naive Bayes, Random-forest- Link : github.com/iAmRishijha/MediPred

CO-CURRICULARS	
Coding	<ul style="list-style-type: none">• Hackerrank 5 Star in C++.• Leetcode, GFG – 400+ questions solved

EXTRA-CURRICULARS	
Responsibilities	<ul style="list-style-type: none">• Core Member, AdvITya (Inter University Techno-Cultural Festival)• Core Member, Aarambh (Sports Fest) 2022

ADDITIONAL INFORMATION	
Hobbies	<ul style="list-style-type: none">• Playing Cricket, Badminton• Travelling
Languages	<ul style="list-style-type: none">• Hindi (native)• English (fluent)