Aman Kesarwani

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Technical Skills

Core Skills: Python, C++, SQL, HTML, CSS, Java Script

Technologies: TensorFlow, Sklearn, Matplotlib, Numpy, Pandas, OpenCV

Certifications: Artificial Intelligence and Machine Learning(Powered by Google Developers), Cloud Digital Leader, Bits and Bytes of Computer Networking .

Education

VIT Bhopal University   Jul 2021 - Onwards

Pursuing Bachelor of Technology in Computer Science

Projects

Lung Cancer Detector

- Description: Developed a deep learning model using convolutional neural networks (CNNs) to accurately classify lung cancer from chest X-ray images.
- Applied data analytics techniques for preprocessing and analyzing medical image datasets, contributing to improved model performance.
- Technologies Used: Python (NumPy, Pandas, Matplotlib, OpenCV, TensorFlow, Keras), machine learning (CNNs), image processing.
- Accuracy: Achieved a remarkable 92% training accuracy and 93% testing accuracy on a comprehensive dataset of 25,000 images.

Pong Game

- Description: Created a real-time interactive Pong game using innovative hand detection technology for paddle control.
- Contributed to digital transformation by developing AI-powered solutions that create innovative gaming experiences.
- Technologies Used: Python (OpenCV, cvzone, NumPy), computer vision (hand detection), image processing.
- Key features: Implemented robust scorekeeping and ball speed increase mechanics.

Co-Curricular

Coding:

- Successfully completed Dr. G. Viswanathan's rigorous 100 Days Coding Challenge in C++, showcasing a deep understanding of fundamental programming concepts.
- Consistently demonstrated strong coding proficiency by securing a ranking of 525 among peers at my institution on Geeks for Geeks, with a commendable coding score of 281.

Hackathon:

- Participated in the 'Green Innovators Hackathon,' developing a data-driven solution to enhance energy efficiency in urban environments, securing 6th position.

Leadership / Extracurricular

- Led a team of 5 using Agile methodologies, reducing project delivery time by 15%.
- Implemented process improvements in resource allocation and task management, reducing project turnaround time by 25%.
- Facilitated productive discussions in project meetings and presentations, leveraging insights from esteemed faculty to refine strategies and gain diverse perspectives.