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0.2

Antificial Intelligence (At is a wide-rouging branch of computer Science concerned with building somerst machines corpobles of performing books that typically require human intelligence. At is an interdisciplinary Science with multiple approaches, but advancements in machine learning and deep learning are creating or paradigm Shift In Virtually every Sector of the tech industry.

Thoring this COID-19 pandenic situation AI has helped in many ways. A little publicised fact is that.

progress is made with a little help from technology.

In positicular, Acrtificial Intelligence (A1) has from the very beginning, been busing working behind the scenes assisting the limitations of human knowledge in this massive endeawour. Also, During this COVID-19 pandenic many new devices were made too detect the strus in various ways.

It was a Canadian AI company called Blue Det that developed an AI program that alerted the wierld to corronavirus. Shis program was designed to predict infectious diseases and baeate and track their spread. Using this technology Blue Deet inlentifies too,00 & repeats derity in many languages, and then Send out alerts the health corre, government, and public health clients.

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→ Image-Scenn Analysis.

During this pandemic, Testing how become or key issue in the fight againt virus. Cocunt ries like Sociate Koerea and Greenwary how been seen a successfull in handling the virus, becomes by the testing were using more time then maching. But A1 is now assisting with other forms of testing, such as n-ray scanning. Many A1 programs over new available for chest screening that was revaluation in highlight lung abnormalities inish evaluation in much forster that human radicalogists.

A rounge of Al-based robots have enurged during recent mosphers in the situation battle by reducing contact between patients and health corn-workers. For enample, Chinese firms over wing dromes and robots the perform contactless delivery and the spray disinfectants in public area to minimize the reisk.

Inventions of new orpplications:

During this pandlmic situation, Many IT companies
were descovering new application for electrical of
vinus. For enample, In India, an application was
launched name Araggar Setu Application. It was a
successful detection apps having features like daily
updates, also the prevoutions should be taken

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also, if a person gets injected within your range or in your area it notifies you. In India, it was compulsory to keep that application on.

Acted the Social distance between two persons in many ways to reduct the programs helps us in many programs were the present the present the present with the present with the present were to the the detect the Social distance between two presents standing nearby. Shese Al programs helps us in many ways to reduct the injection through humans.

Page. No. 04. Crupta Bhaskar Sheshnarayan Arati Artificial Intelligence Seat No! - 12273147 Buskon 13/01/2021 0.2 Bayès Meorem is also known as Bayès rules, Ansc. Boryes' low on Boyesian reasoning, which determines the proborbability of an event with oncertain knowledge. In probability theory, it relates the conditional perobability and a marginal perobabalities of two grandom every. Bayes Theorem is a formula that describes how to update the probabilities of hypoetheses when given evidence. It follow simply from the anions of conditional proberbility. Giran a hypothesis H and evidence E, Borg'es the cerem states that the relationship before getting the evidence PCHI and the prabability of the hypothesis after getting the evidence P(H/E) is P(H/E) = P(E/H) P(H). Many modern machine learning technologies rely on Bayes theorem.

Page No. 05 Gupta Bhaskar Shishnarayan Arati Artificial Intelligence Seat No: - 12273147 Bhaskan 13/01/2021 Given: -· A doctor knows the meningitis courses stiff neck 50%. Og time. menengitis.

o Pricer prodorbility of any patrient howing, 38 1/80,000 · Pricer probability of any patiend howing stoff neck is 1/20 P(M/3) = P(S/m) P(m) P(S) = 0.5 × 1/50000 1/20 =0.0002