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Topic: Artificial Intelligence

GitHub Link: https://github.com/raneemwael2002/ECE001

GitHub Pages:

/https://raneemwael2002.github.io/ECE001

Artificial Intelligence and its applications:

The simulation of human intelligence processes through machines, in particular computer systems, is an AI or artificial intelligence. This includes learning, thinking and self-correction. In the beginning it was like a dream but it came true and it is supposed to affect our life greatly in the few coming years, the most popular application for AI or artificial intelligence is the robot, and it's expected that robots will be in charge for so many things instead of the human being and it will end many careers but it will make much more developed jobs. AI can get in many fields that you can't even imagine such as marketing and banking and health care and finance and space exploration and gaming and agriculture and autonomous vehicles and many other fields.

With the growing growth of AI, consumers on the web can purchase products by snapping a picture in the near future. This is already experienced by companies such as CamFind and its competitors, also some banks used AI to make a bot to deal with customers and apply their needs, the interesting part is that the AI applications are much faster than the human being and it is also more accurate than the best human can be.

And many other applications in many fields just to help the human.

```html
<table border="2">

    <tr>
        <th>Advantages of AI</th>
        <th>Disadvantages of AI</th>
    </tr>
    <tr>
        <td>Reduction in Human Error</td>
        <td>High Costs of Creation</td>
    </tr>
    <tr>
        <td>Takes risks instead of Humans</td>
        <td>Making Humans Lazy</td>
    </tr>
    <tr>
        <td>Daily Applications</td>
        <td>Unemployment</td>
    </tr>
    <tr>
        <td>Helping in Repetitive Jobs</td>
        <td>Lacking Out of Box Thinking</td>
    </tr>
    <tr>
        <td>Digital Assistance</td>
        <td>No Emotions</td>
    </tr>

</table>
```

```html
<body>
    <h1>Computer Engineering Role in COVID-19 Pandemic</h1>
    <h4>Links:</h4>
    <ul>
        <li> <a href="index.html"> Home Page </a> </li>
        <li> <a href="AI on A Conceptual Level.html"> AI on A Conceptual Level </a> </li>
        <li> <a href="Types of AI.html"> Types of AI </a> </li>
        <li> <a href="Branches of AI.html"> Branches of AI </a> </li>
        <li> <a href="Advantages of AI.html"> Advantages of AI </a> </li>
    </ul>
    <h2>Branches of Artificial Intelligence</h2>
    <div>
        Artificial Intelligence can be used to solve real-world problems by implementing the following processes/ techniques:
    </div>

    <ol>
        <li>Machine Learning</li>
        <li>Deep Learning</li>
        <li>Natural Language Processing</li>
        <li>Robotics</li>
        <li>Expert Systems</li>
        <li>Fuzzy Logic</li>
    </ol>
    <br>
    <img src="4.bmp">
</body>
```

Source Code:

Screenshots:

Links:

Home Page
AI on A Conceptual Level
Types of AI
Branches of AI
Advantages of AI

About Artificial Intelligence

The term "Artificial Intelligence" was coined way back in 1956 by John McCarthy, a professor at Dartmouth.
For years, it was thought that computers would never match the power of the human brain, but this has proven to not be the case.
back then we did not have enough data and computation power, but now with Big Data coming into existence and with the advent of GPUs, Artificial Intelligence is possible

Branches of Artificial Intelligence

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1. Machine Learning
2. Deep Learning
3. Natural Language Processing
4. Robotics
5. Expert Systems
6. Fuzzy Logic

Advantages of AI	Disadvantages of AI
Reduction in Human Error	High Costs of Creation
Takes risks instead of Humans	Making Humans Lazy
Daily Applications	Unemployment
Helping in Repetitive Jobs	Lacking Out of Box Thinking
Digital Assistance	No Emotions

References

1- https://builtin.com/artificial-intelligence/ai-companies-roundup
2- https://www.britannica.com/technology/artificial-intelligence
3- https://www.investopedia.com/terms/a/artificial-intelligence-ai.asp