

ASSIGNMENT FOR DAY 2

HTML CODE

```
<!DOCTYPE html>
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="nav2.css">
</head>
<body>
<div class="sticky">Learn AI and ML
  <div class="left">
    <li>Logo</li>
    <li>Profile</li></div>
  <div class="right">
    <li>Home</li>
    <li>Contact</li>
    <li>About us</li>
  </div>
</div>
<div class="container">
  <h1>Introduction to AI</h1>
  <hr>
  <p style="text-align: justify;">Artificial Intelligence (AI) has rapidly
become one of the most significant technological advancements in recent times,
revolutionizing various aspects of society. With its ability to analyze vast
amounts of data, learn from patterns, and make autonomous decisions, AI has
the potential to reshape industries, improve efficiency, and enhance our daily
lives. However, along with its immense benefits, AI also raises ethical,
social, and economic concerns that warrant careful consideration.

  AI has found applications in diverse fields, ranging from healthcare and
finance to transportation and entertainment. In healthcare, AI-powered systems
can analyze medical records, identify patterns, and provide insights for
personalized treatments. They can assist in diagnosing diseases, predicting
outcomes, and even performing complex surgeries with greater precision. In
finance, AI algorithms analyze market trends, optimize investment strategies,
and detect fraudulent activities. In transportation, self-driving cars
equipped with AI technologies aim to make roads safer and transportation more
efficient.

  Ethical considerations surrounding AI are also critical. As AI systems
become more autonomous, questions of accountability and transparency arise.
The decision-making processes of AI algorithms are often complex and opaque,
making it difficult to understand how they arrive at their conclusions. This
lack of transparency can lead to biases and unfair outcomes, especially when
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it comes to sensitive areas like criminal justice or hiring practices. Addressing these concerns requires developing ethical frameworks, ensuring diverse and representative data sets, and establishing regulatory guidelines that promote fairness, accountability, and transparency.

AI also presents privacy and security challenges. As AI systems collect and analyze vast amounts of personal data, protecting individuals' privacy becomes paramount. Robust data protection measures and encryption techniques are necessary to safeguard sensitive information. Additionally, the security of AI systems themselves must be a priority to prevent malicious actors from exploiting vulnerabilities and causing harm.

The impact of AI on society goes beyond these immediate concerns. Philosophical questions arise as we consider the potential for AI to achieve human-level intelligence or even surpass it. This concept, known as artificial general intelligence (AGI), raises questions about the nature of consciousness, the definition of personhood, and our relationship with machines. Exploring these philosophical dimensions and engaging in interdisciplinary discussions will help us navigate the complexities of AI's future evolution.

In conclusion, artificial intelligence holds immense promise for transforming various aspects of society. Its applications have the potential to revolutionize industries, improve efficiency, and enhance our lives. However, it is crucial to address the ethical, social, and economic implications associated with AI. By fostering transparency, fairness, and accountability, we can harness the potential of AI while mitigating its risks. As AI continues to advance, it is our responsibility to shape its development in a manner that aligns with our values and ensures a beneficial and inclusive future for all. </p>

<p style="text-align: justify;">Machine Learning (ML) is a field of study that focuses on developing algorithms and statistical models that allow computer systems to learn and make predictions or decisions without being explicitly programmed. ML techniques enable computers to analyze and interpret large sets of data, identify patterns, and make informed decisions or predictions.

ML algorithms can be broadly ent domains, such as image and speech recognition, natural language processing, recommendation systems, autonomous vehicles, fraud detection, and medical diagnostics, among others. It relies on mathematical and statistical concepts, including linear algebra, calculus, probability theory, and optimization.

To further understand ML, it is essential to explore specific algorithms and techniques, such as linear regression, logistic regression, decision trees, random forests, support vector machines, neural networks, deep learning, clustering algorithms (e.g., k-means, hierarchical clustering), dimensionality reduction techniques (e.g., principal component analysis, t-

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SNE), and evaluation metrics (e.g., accuracy, precision, recall, F1
score).</p>
    <p style="text-align: justify;"><span id="dots">...</span><span
id="more">Python was conceived in the late 1980s[43] by Guido van Rossum at
Centrum Wiskunde & Informatica (CWI) in the Netherlands as a successor to the
ABC programming language, which was inspired by SETL,[44] capable of exception
handling and interfacing with the Amoeba operating system.[13] Its
implementation began in December 1989.[45] Van Rossum shouldered sole
responsibility for the project, as the lead developer, until 12 July 2018,
when he announced his "permanent vacation" from his responsibilities as
Python's "benevolent dictator for life", a title the Python community bestowed
upon him to reflect his long-term commitment as the project's chief decision-
maker.[46] In January 2019, active Python core developers elected a five-
member Steering Council to lead the project.[47][48]

    </span></p>
    <button onclick="myFunction()" id="myBtn">Read more</button>

</div>
<div class="footer">
    <h2>Weebs and Otakus</h2>
</div>
</body>
<script src="./i2.js"></script>
</html>

```

CSS CODE

```

*{
    padding: 0;
    margin: 0;
}

div.sticky {
    position: fixed;
    position: sticky;
    top: 0;
    background-color: lightcoral;
    padding: 50px;
    font-size: 30px;
    text-align: center;
}

div.footer {
    position: fixed;
    width: 100%;

```

```
    bottom: 0;
    background-color: cyan;
    padding: 30px;
    font-size: 20px;
    text-align: center;
}
img{
    position: fixed;
    height: 100%;
    width: 100%;
    height: auto;}

.left>li{
    display: flex;
    float: left;
    justify-content: space-around;
    margin: 10px;
}
.right>li{
    display: flex;
    float: right;
    justify-content: space-around;
    margin: 10px;
}
h1{
    text-align: center;
}
.container{
    margin: auto;
    width: 50%;
    text-align: center;
}
#more {display: none;}
.myBtnx{background-color: black;}

p::first-letter{
    text-transform: capitalize;
}
```

JAVASCRIPT CODE

```
function myFunction() {
  const dots = document.getElementById("dots");
  const moreText = document.getElementById("more");
  const btnText = document.getElementById("myBtn");

  if (dots.style.display === "none") {
    dots.style.display = "inline";
    btnText.innerHTML = "Read more";
    moreText.style.display = "none";
  } else {
    dots.style.display = "none";
    btnText.innerHTML = "Read less";
    moreText.style.display = "inline";
  }
}
```

SCREENSHOT (For read more)

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Introduction to AI

Artificial Intelligence (AI) has rapidly become one of the most significant technological advancements in recent times, revolutionizing various aspects of society. With its ability to analyze vast amounts of data, learn from patterns, and make autonomous decisions, AI has the potential to reshape industries, improve efficiency, and enhance our daily lives. However, along with its immense benefits, AI also raises ethical, social, and economic concerns that warrant careful consideration. AI has found applications in diverse fields, ranging from healthcare and finance to transportation and entertainment. In healthcare, AI-powered systems can analyze medical records, identify patterns, and provide insights for personalized treatments. They can assist in diagnosing diseases, predicting outcomes, and even performing complex surgeries with greater precision. In finance, AI algorithms analyze market trends, optimize investment strategies, and detect fraudulent activities. In transportation, self-driving cars equipped with AI technologies aim to make roads safer and transportation more efficient. Ethical considerations surrounding AI are also critical. As AI systems become more autonomous, questions of accountability and transparency arise. The decision-making processes of AI algorithms are often complex and opaque, making it difficult to understand how they arrive at their conclusions. This lack of transparency can lead to biases and unfair outcomes, especially when it comes to sensitive areas like criminal justice or hiring practices. Addressing these concerns requires developing ethical frameworks, ensuring diverse and representative data sets, and establishing regulatory guidelines that promote fairness, accountability, and transparency. AI also presents privacy and security challenges. As AI systems collect and analyze vast amounts of personal data, protecting individuals' privacy becomes paramount. Robust data protection measures and encryption techniques are necessary to safeguard sensitive information. Additionally, the security of AI systems themselves must be a priority to prevent malicious actors from exploiting vulnerabilities and causing harm. The impact of AI on society goes beyond these immediate concerns. Philosophical questions arise as we consider the potential for AI to achieve human-level intelligence or even surpass it. This concept, known as artificial general intelligence (AGI), raises questions about the nature of consciousness, the definition of personhood, and our relationship with machines. Exploring these philosophical dimensions and engaging in interdisciplinary discussions will help us navigate the complexities of AI's future evolution. In conclusion, artificial intelligence holds immense promise for transforming various aspects of society. Its applications have the potential to revolutionize industries, improve efficiency, and enhance our lives. However, it is crucial to address the ethical, social, and economic implications associated with AI. By fostering transparency, fairness, and accountability, we can harness the potential of AI while mitigating its risks. As AI continues to advance, it is our responsibility to shape its development in a manner that aligns with our values and ensures a beneficial and inclusive future for all.

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