

AI Plus Machine Learning – Summer Course Description – 2024

Embark on an exhilarating journey into the realm of Artificial Intelligence (AI) and Machine Learning this summer. This course, designed exclusively for Middle and High School students, will delve into the captivating world of futuristic technology trends where AI and Machine Learning hold the keys to unlocking unprecedented possibilities. Our course aims to illuminate the synergy between human ingenuity and computational prowess, as they collaborate seamlessly towards transformative endeavors. Here's an overview of the captivating subjects awaiting exploration:

- **Introduction to AI:** Unveil the full spectrum of AI, ranging from Narrow AI to General AI and beyond into the realm of Generative AI, envisioning the potential of Super AI.
- **Machine Learning:** Navigate the intricacies of Neural Networks, Algorithms, and the critical role of Training Data, drawing inspiration from the prowess of virtual assistants like Alexa.
- **Natural Language Processing:** Embark on a quest to unravel the mysteries of machines comprehending natural languages, opening doors to boundless communication possibilities.
- **AI Automation with Robotics:** Witness the convergence of AI and Robotics, as they manifest in groundbreaking applications such as self-driving vehicles and the optimization of industrial labor.
- **AI for Business:** Explore the transformative impact of AI on the future workforce, strategies for upgrading human skills to align with evolving technological landscapes, and ethical considerations guiding responsible AI integration within business domains.
- **Future of AI:** Peer into the crystal ball of AI's evolution, navigating predictions and technological upgrades that shape tomorrow's landscapes. Dive into the art of coding with Chat GPT, an immersive experience that underscores the symbiotic relationship between human creativity and AI capabilities.

Join us for an unforgettable odyssey into the frontiers of AI and Machine Learning, where innovation knows no bounds and the future beckons with limitless potential. Are you ready to embark on this extraordinary voyage?