NEIDA GUZMAN

- I am a current student at HCC in pursuit of my Bachelors in AI and robotics. Currently I have learned to train various machines and debug them including ROS 2 and developed knowledge to apply this to challenges in industries like healthcare and manufacturing. I can train models to have the outcome needed to satisfy the desire of a company's pursuit.

ARTIFICIAL INTELLIGENCE IN MANUFACTURING

- I learned that Artificial Intelligence is significantly transforming the manufacturing industry by enabling smarter and more efficient production methods. AI requires clean data, skilled workers, and significant investment.
- Tools/Concepts applied is Machine learning- a core AI technology used in predictive maintenance and production data analysis for improvements, Deep learning- analyzes energy consumption patterns in the proposed energy efficiency system, and Sensors- collects real-time data used by AI algorithms in systems like predictive maintenance and energy efficiency optimization.
- Case Study: Advantages of using AI in Manufacturing Industry

  This assignment highlights how Artificial Intelligence allows for a more efficient and intellectual way to benefit production in a company. AI optimizes the processes and predicts machine failure to allow companies enhance quality, sustainability, and cut costs, therefore, stay competitive.

ARTIFICIAL GENERAL INTELLIGENCE IN HEALTHCARE

- I learned Healthcare in AGI is imperative because it learns and adapts to complex scenarios. This industry faces cost driven diseases and aging populations due to lack of access to basic care; therefore, AGI can transform it by adding personalized treatment plans and clinical decision support.
- Tools/Concepts applied in this industry are Artificail General Intelligence(AGI)- human level intelligence capable of performing cognitive task.
- Case Study- The use of AGI in Healthcare

  This assignment gives light to help revolutionize the healthcare industry with AGI by facing the challenges like workforce shortages and rising costs. AGI has the ability to perform intellectual tasks like a human which allows for this technology to offer solutions like enhancing global access care.

REAL-LIFE APPLICATIONS

- In an industry like manufacturing, I would be able to advocate for collaboration and planning between manufacturers, AI experts, and policy makers to have a successful and beneficial outcome for AI projects in a company.

- In an industry like healthcare, AGI would allow me to focus to enhance operational and process design like administration or process improvement to automate administrative tasks like billing/ scheduling ultimately, reducing costs and redirecting funds to patient care.

WRAP-UP

- GitHub: https://github.com/neidagz/ITAI2372.git
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