ARTIFICIAL INTELLIGENCE

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1. Understand the basic concepts and principles of Artificial Intelligence, including various AI environments, Depth-First Search (DFS), Breadth-First Search (BFS), Means-End analysis, and knowledge-based agents.

2. Apply propositional logic and forward chaining to solve problems in AI, and demonstrate proficiency in designing knowledge-based systems and expert systems.

3. Evaluate the importance of learning in AI, including decision trees, planning, and probabilistic reasoning, and demonstrate the ability to apply these concepts in real-world scenarios.

4. Analyze the role of image processing and natural language processing in AI, and demonstrate proficiency in implementing these techniques in AI applications.

5. Explore the principles of machine learning, including unsupervised learning, neural networks, and other advanced learning methods, and apply these concepts to develop intelligent systems.

6. Critically evaluate the ethical and social implications of AI technologies, and propose solutions to mitigate potential risks and biases associated with AI systems.

7. Demonstrate effective problem-solving skills and critical thinking in the field of Artificial Intelligence, by designing and implementing innovative AI solutions to address complex real-world challenges.