



Proposal

Applied Artificial Intelligence Project: Designing an AI-Trained Self-Playing Tetris Game

Team ViaEyes Members:

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Course Information:

- **Teacher:** Kashif Zafar
 - **Course Code:** AI-4007
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1. Introduction:

We, the members of ViaEyes, propose an exciting venture into the domain of Applied Artificial Intelligence. Our goal is to craft an AI-trained self-playing Tetris game. This proposal delineates the objectives, methodology along team Work and Coding Strategy for our project.

2. Objectives:

Our primary aim is to design and implement an AI system capable of autonomously playing Tetris. Our specific objectives include:

- Developing an AI model proficient in Tetris gameplay mechanics and strategic decision-making.
- Training the AI model using advanced machine learning algorithms to enhance its performance iteratively.

- Integrating the AI model seamlessly into a Tetris game environment to showcase its autonomous gameplay.

3. Methodology:

Our approach entails a well-structured methodology:

- Thorough Requirement Analysis
- Thoughtful Design Phase
- Meticulous Implementation Process
- Iterative Training and Testing

4. Team Work and Coding Strategy

- **GitHub Organization:** We'll utilize GitHub to organize our code repository for efficient collaboration.
- **Milestones:** We'll set up milestones to mark significant stages of progress throughout the project.
- **Branches:** Each team member will work on their respective branches for individual tasks or features.

5. Conclusion:

In conclusion, ViaEyes is poised to leverage cutting-edge artificial intelligence techniques to design a mesmerizing autonomous Tetris gameplay experience. By engineering an AI model adept at mastering Tetris, we aim to illuminate the synergy between gaming and AI while exemplifying the potential of machine learning in recreational pursuits.

We eagerly anticipate the approval and support necessary to realize this innovative project. Your guidance and endorsement are invaluable to our journey.

Sincerely,

Shaaf Salman 21L-6083

Project Coordinator/Team Leader, ViaEyes