



About CCSL – Cricket Card Strategy League (BOT Edition)

 *Where Strategy Meets Reinforcement Learning*

Welcome to **CCSL – BOT Edition**, a thrilling one-on-one **player vs AI** cricket card game that blends the excitement of cricket with the intelligence of strategic decision-making.

Face off against a trained **Reinforcement Learning Bot** that adapts its moves using real Q-learning strategies. Outsmart the bot, manage your power cards, and build your score — one calculated card at a time.

Core Gameplay

Simultaneous Card Battles

- Choose from cards: 0, 1, 2, 3, 4, 6
- Both you and the bot play cards **at the same time**
- If cards match (e.g., both play 2) — **you're OUT** (unless Free Hit is active)

Player Abilities & Constraints

- **Power Cards (4 & 6):**
Limited-use high-run cards. Restricted by over count and cooldown rules.
- **Free Hit:**
Triggered after a No Ball by the bot. If cards match, you're **not out**.
- **Cooldown Rule:**
After playing a 6, you **can't** play another 6 for the next **2 balls**.
- **Run Tracking:**
Each valid run card adds to your score. Invalid or duplicate card results in risks.

AI Bot Intelligence

- Powered by **Q-Learning**
- Learns optimal moves based on game state:
`T<turn>_P<powerCard>_C<cooldown>_F<freeHit>`
- Chooses moves to minimize your score and maximize dismissal chances
- Adapts strategy per turn based on state transitions

Game Formats

- **1 Over (6 Balls):** Quick, intense matches

- **2 or 3 Overs:** Strategic mid-length games
- **Super Over (Optional):** Tie-breaker mode (coming soon)



Why Play CCSL - BOT Edition?

- Replayable and strategic — every turn is a mind game
- Test your decisions against an evolving AI
- Cricket-themed logic with tactical card mechanics
- Perfect for players who love outsmarting algorithms



Start Playing Today

Challenge the RL Bot. Master the cards.
Outscore. Outsmart. **Win the League.**

Available on Android & iOS



#CCSL #RLBotCricket #PlaySmart #CricketCardLeague