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| **Abbreviation** | **Full Form** |
| AI | Artificial Intelligence |
| AUC | Area Under the Curve |
| CNN | Convolutional Neural Network |
| DBN | Deep Belief Network |
| DFA | Detrended Fluctuation Analysis |
| EEG | Electroencephalography |
| HNR | Harmonics-to-Noise Ratio |
| ICA | Independent Component Analysis |
| ML | Machine Learning |
| MRI | Magnetic Resonance Imaging |
| NHR | Noise-to-Harmonics Ratio |
| PD | Parkinson's Disease |
| PPE | Pitch Period Entropy |
| PSO | Particle Swarm Optimization |
| RPDE | Recurrence Period Density Entropy |
| SMOTE | Synthetic Minority Over-sampling Technique |
| SVM | Support Vector Machine |
| UPDRS | Unified Parkinson's Disease Rating Scale |
| XGBoost | eXtreme Gradient Boosting |