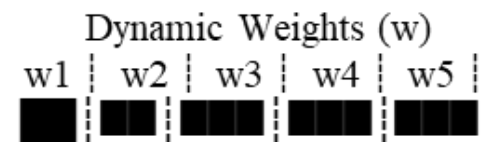
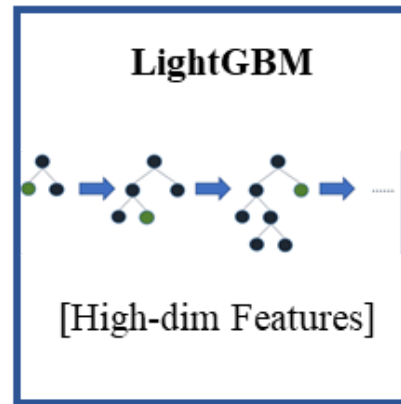
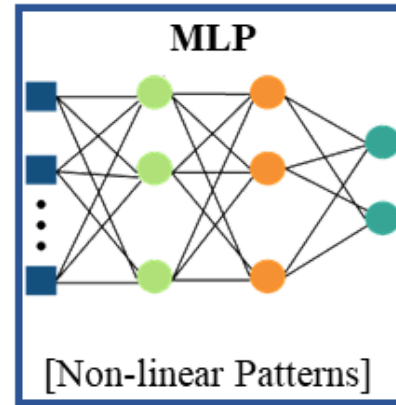
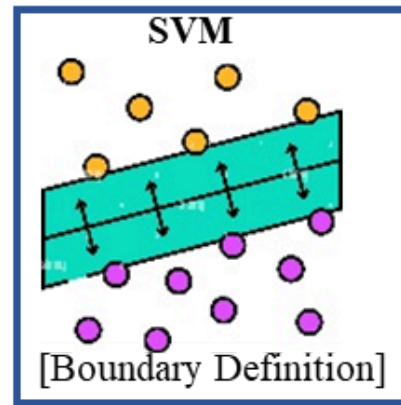
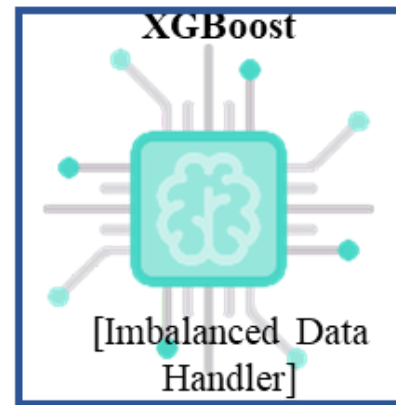
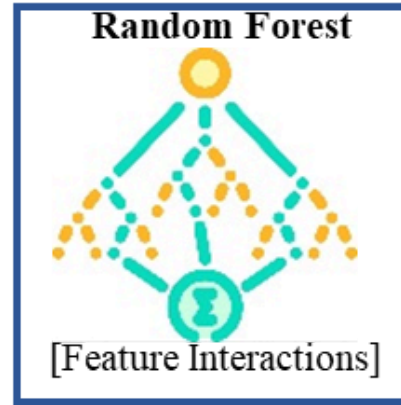


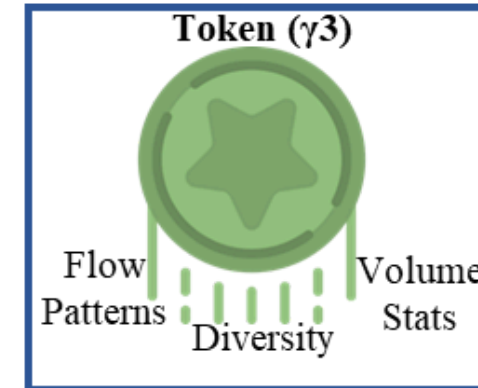
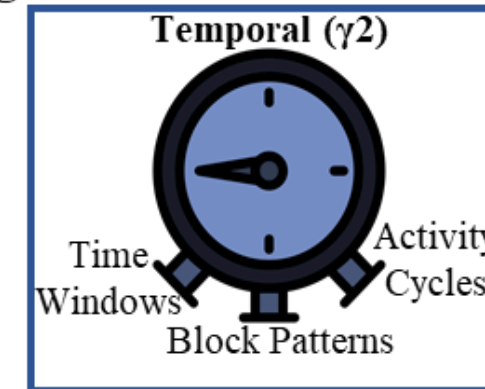
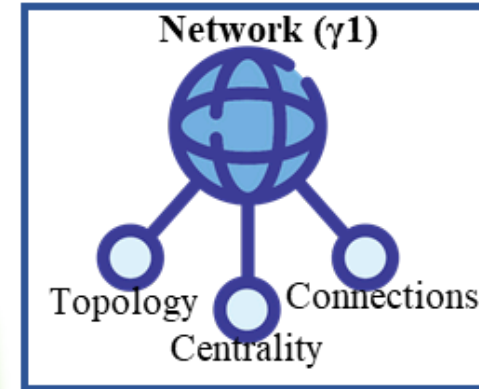
(a) Dynamic-Weighted Ensemble

Model Specialization



(b) Fairness-Aware Feature Pipeline

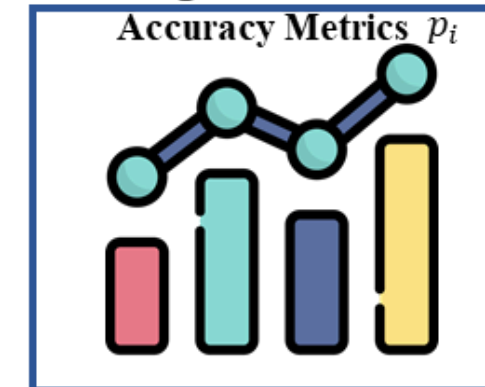
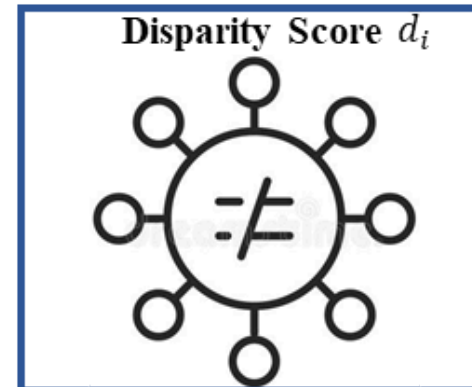
Feature Categories



$$F_{total} = \gamma_1 F_{network} + \gamma_2 F_{temporal} + \gamma_3 F_{token}$$

(c) Adaptive Feedback Mechanism

Performance Monitoring



Weight Adjustment Formula

$$w_i^{(t+1)} = w_i^{(t)} \cdot (1 + \alpha p_i - \beta d_i)$$

Dynamic Weights



Feature Mixing

Feedback to