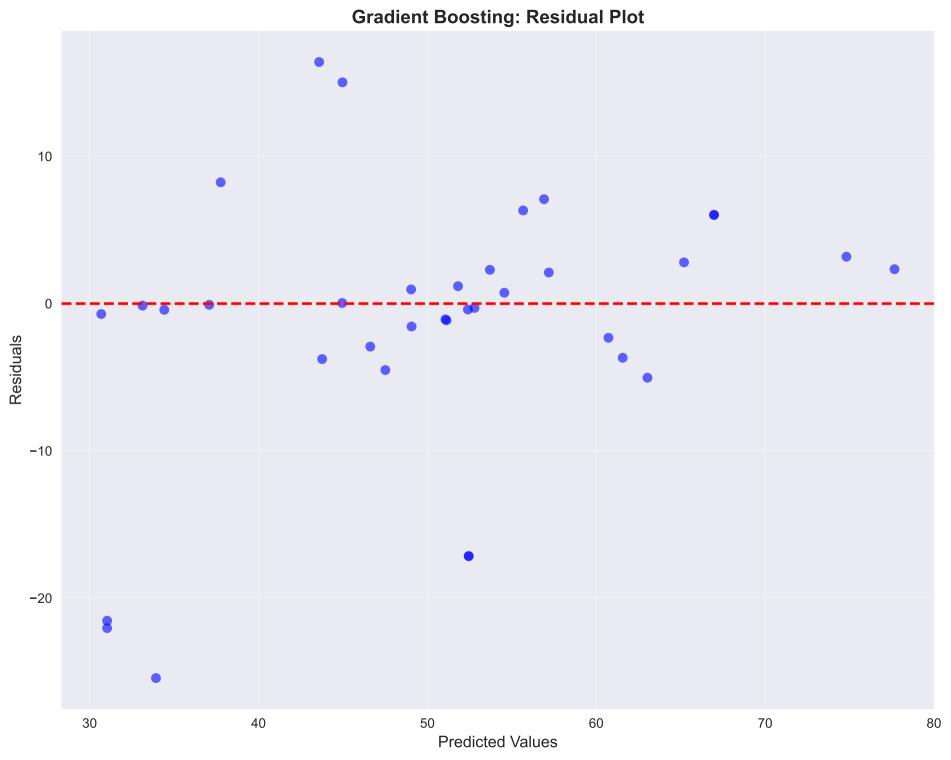
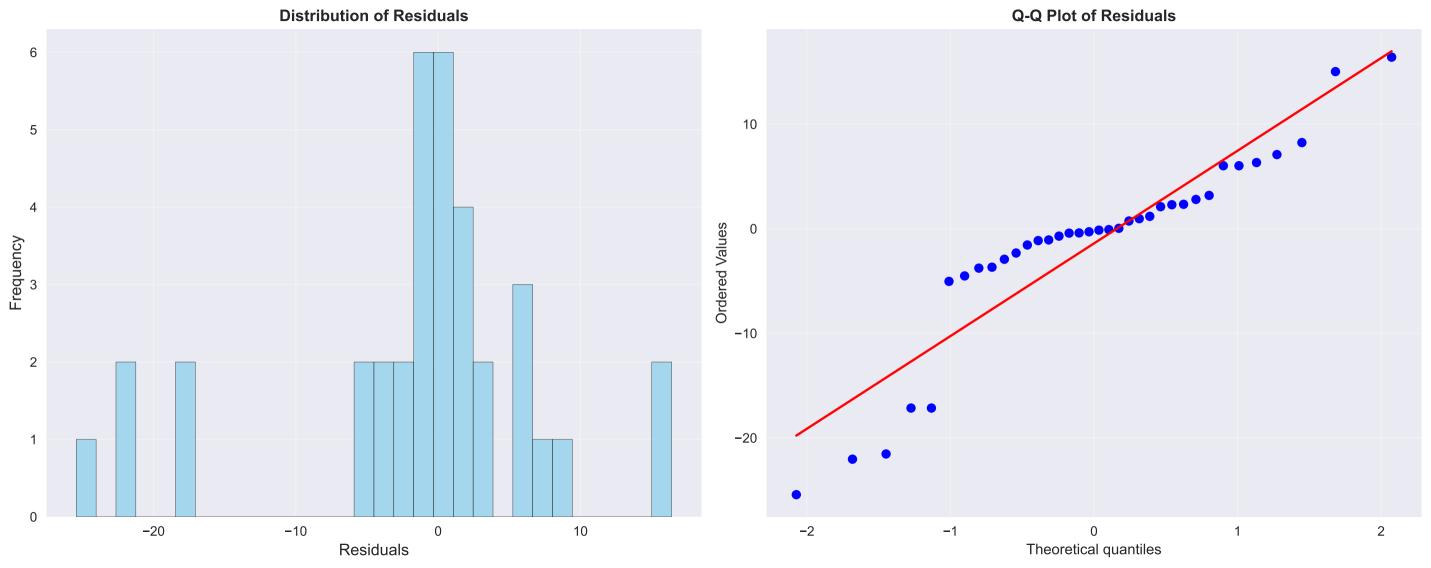
Model Performance Report: Gradient Boosting

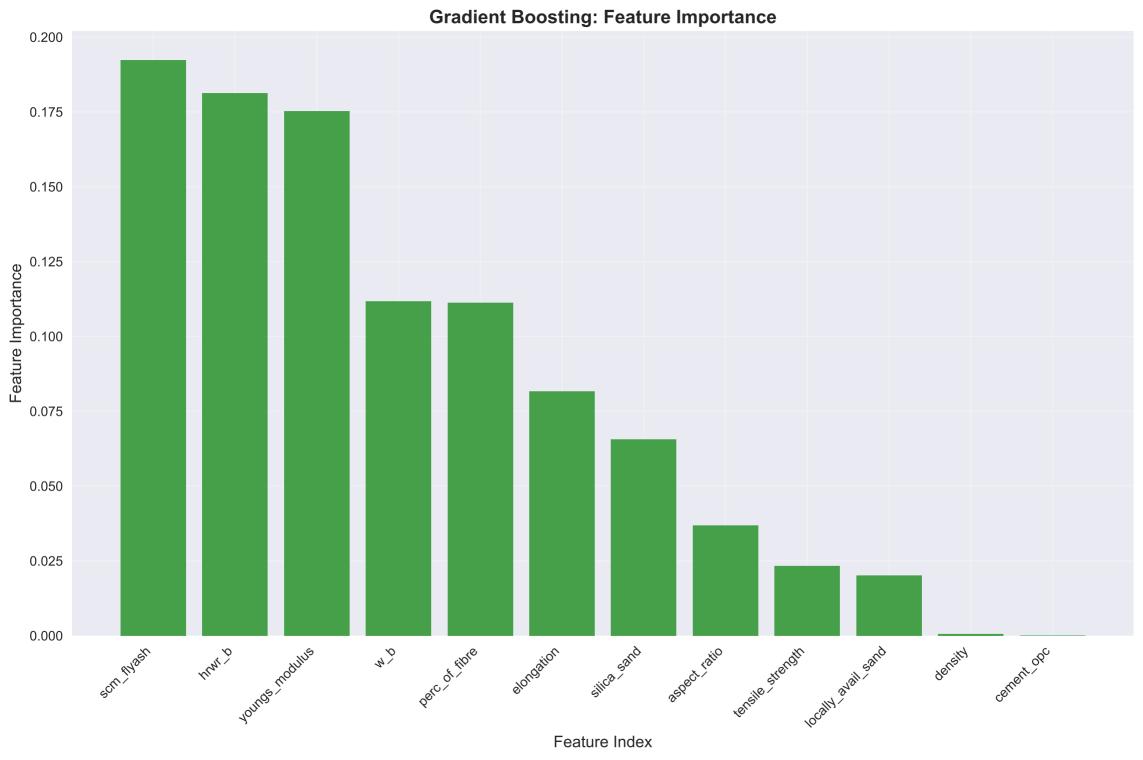
MODEL DETAILS: • Algorithm: Gradient Boosting • Training Samples: 141 • Test Samples: 36 • Features: 12 PERFORMANCE METRICS: • Root Mean Square Error (RMSE): 9.1881 • R² Score: 0.7178 • Mean Absolute Error (MAE): 5.8922 • Mean Square Error (MSE): 84.4210 **INTERPRETATION:** • R² Score of 0.7178 means the model explains 71.78% of the variance • RMSE of 9.1881 indicates average prediction error • Lower RMSE and MAE values indicate better model performance • R² closer to 1.0 indicates better model fit DATASET INFORMATION: • Target Variable: Last Column • Problem Type: Regression • Cross-validation: 3-fold GridSearchCV used for hyperparameter tuning

Gradient Boosting: Actual vs Predicted Values $R^2 = 0.7178$ Predicted Values
0 Predicted Values

Actual Values







Gradient Boosting: Performance Metrics Summary

