```python
## Write your code here

import pandas as pd
import matplotlib.pyplot as plt

# Extract the weights of the linear layer
weights = model.linear.weight.data.numpy().flatten()
features = X.columns

# Create a DataFrame for feature importance
feature_importance = pd.DataFrame({'Feature': features, 'Importance': weights})
feature_importance = feature_importance.iloc[feature_importance['Importance'].
                                             abs().argsort()[::-1]]
print(feature_importance)

#plot fearture importance
plt.figure(figsize=(8, 6))
plt.bar(feature_importance['Feature'], feature_importance['Importance'])
plt.xlabel('Features')
plt.ylabel('Importance')
plt.title('Feature Importance')
plt.xticks(rotation=45)
plt.show()
```

	Feature	Importance
7	damage_dealt	-0.082235
5	wards_placed	0.081847
3	gold_earned	0.063432
0	kills	0.056234
1	deaths	-0.014273
4	cs	-0.009868
6	wards_killed	-0.003879
2	assists	0.001318