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Roll No: 28

Bs: Data Science

TF-IDF Feature Names & Matrix

```python
from sklearn.feature_extraction.text import TfidfVectorizer

# Define the corpus
corpus = [
    "Text mining is fun",
    "Mining data helps extract insights",
    "Data mining and text analytics are valuable"
]

# Initialize TF-IDF Vectorizer
vectorizer = TfidfVectorizer()
tfidf_matrix = vectorizer.fit_transform(corpus)
```