In [36]:

```
import sqlite3
import pandas as pd
import matplotlib.pyplot as plt

# Step-1
df = pd.read_csv("dataset.csv")

# Step-2
conn = sqlite3.connect("dataset.db")
df.to_sql("sales", conn, if_exists="replace", index=False)

# Step-3
query = """
SELECT
    product_category,
    SUM(units_sold) AS total_qty,
    SUM(units_sold * price_per_unit) AS revenue
FROM sales
GROUP BY product_category
"""

summary_df = pd.read_sql_query(query, conn)
print(summary_df)

# Step-4
summary_df.plot(kind="bar", x="product_category", y="revenue", legend=False)
plt.title("Revenue by Product")
plt.ylabel("Revenue")
plt.tight_layout()
plt.show()
```

```
  product_category  total_qty       revenue
0                A       6574  1.674041e+06
1                B       7005  1.859220e+06
2                C       7166  2.099517e+06
3                D       9108  2.209310e+06
```