

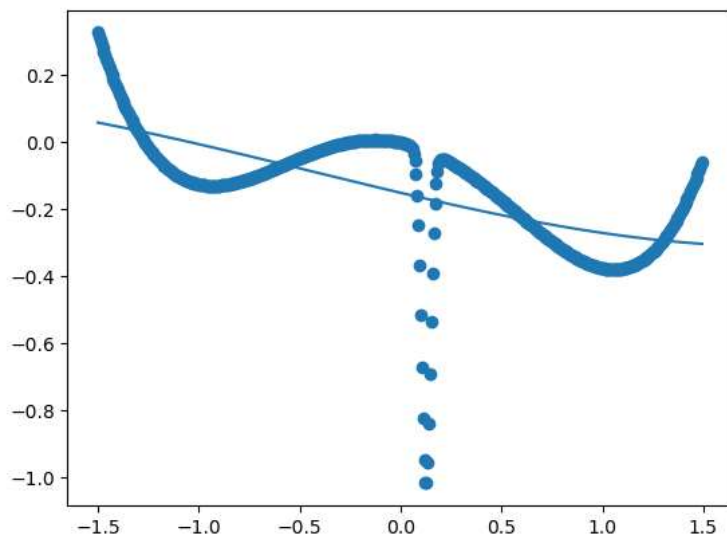
In [4]:

```
import numpy as np
import matplotlib.pyplot as plt
import urllib.request

url = 'http://th-www.if.uj.edu.pl/zfs/gora/metnum16/dane.txt'
response = urllib.request.urlopen(url)
data = np.loadtxt(response)

x_data = data[:, 0]
y_data = data[:, 1]
x_interp = np.linspace(x_data.min(), x_data.max(), 1000)
y_interp = np.polyfit(x_data, y_data, 3)
f = np.poly1d(y_interp)
y_interp = f(x_interp)

plt.plot(x_interp, y_interp)
plt.scatter(x_data, y_data)
plt.show()
```



In []: