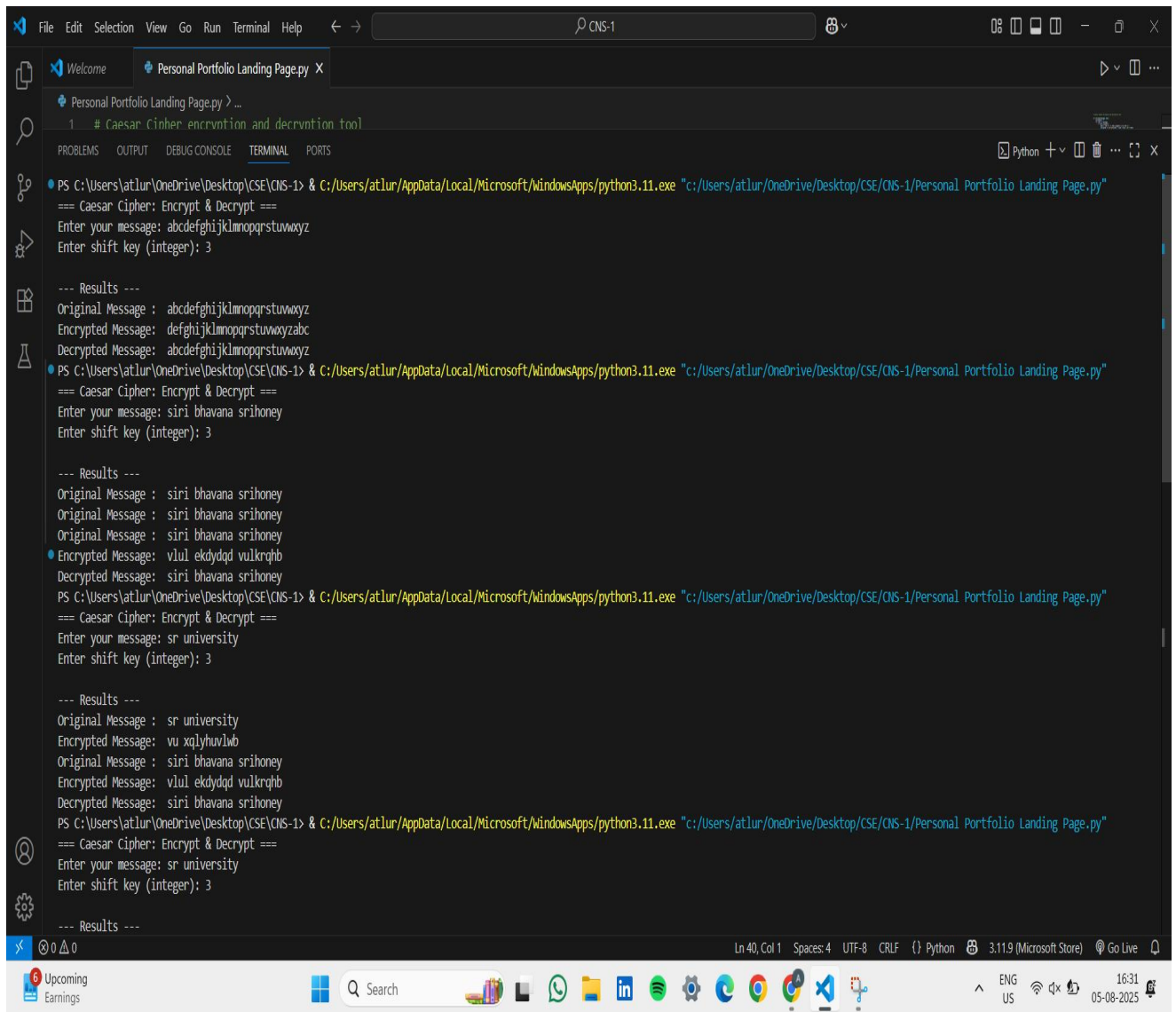


The image shows a code editor window with a dark theme. The menu bar at the top includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The breadcrumb navigation shows 'Personal Portfolio Landing Page.py'. The code is a Python script for a Caesar cipher, with line numbers 3 through 39 visible on the left. The code defines an 'encrypt' function that shifts letters by a given key, a 'decrypt' function that reverses the shift, and a main program that takes user input for a message and a shift key, then prints the encrypted and decrypted results. The status bar at the bottom shows '0 0 0' errors, warnings, and hints. The Windows taskbar is visible at the very bottom with icons for the Start menu, search, and various applications.

```
3 def encrypt(message, key):
4     encrypted = ''
5     for char in message:
6         if char.isalpha():
7             base = ord('A') if char.isupper() else ord('a')
8             encrypted += chr((ord(char) - base + key) % 26 + base)
9         else:
10            encrypted += char # Keep spaces, digits, punctuation
11    return encrypted
12
13 def decrypt(message, key):
14     return encrypt(message, -key) # Just reverse the shift
15
16 # ---- Main Program ----
17 if __name__ == "__main__":
18     print("=== Caesar Cipher: Encrypt & Decrypt ===")
19
20     # Input message
21     plaintext = input("Enter your message: ")
22
23     # Input key and validate
24     while True:
25         try:
26             shift_key = int(input("Enter shift key (integer): "))
27             break
28         except ValueError:
29             print("❌ Please enter a valid number.")
30
31     # Perform encryption and decryption
32     encrypted_message = encrypt(plaintext, shift_key)
33     decrypted_message = decrypt(encrypted_message, shift_key)
34
35     # Show results
36     print("\n--- Results ---")
37     print("Original Message : ", plaintext)
38     print("Encrypted Message: ", encrypted_message)
39     print("Decrypted Message: ", decrypted_message)
```



```
1 # Caesar Cipher encryption and decryption tool

PS C:\Users\at1ur\OneDrive\Desktop\CSE\CNS-1> & C:\Users\at1ur\AppData\Local\Microsoft\WindowsApps\python3.11.exe "c:\Users\at1ur\OneDrive\Desktop\CSE\CNS-1\Personal Portfolio Landing Page.py"
=== Caesar Cipher: Encrypt & Decrypt ===
Enter your message: abcdefghijklmnopqrstuvwxyz
Enter shift key (integer): 3

--- Results ---
Original Message : abcdefghijklmnopqrstuvwxyz
Encrypted Message: defghijklmnopqrstuvwxyzabc
Decrypted Message: abcdefghijklmnopqrstuvwxyz

PS C:\Users\at1ur\OneDrive\Desktop\CSE\CNS-1> & C:\Users\at1ur\AppData\Local\Microsoft\WindowsApps\python3.11.exe "c:\Users\at1ur\OneDrive\Desktop\CSE\CNS-1\Personal Portfolio Landing Page.py"
=== Caesar Cipher: Encrypt & Decrypt ===
Enter your message: siri bhavana srihoney
Enter shift key (integer): 3

--- Results ---
Original Message : siri bhavana srihoney
Original Message : siri bhavana srihoney
Original Message : siri bhavana srihoney
Encrypted Message: vlul ekdydgd vulkrqhb
Decrypted Message: siri bhavana srihoney
PS C:\Users\at1ur\OneDrive\Desktop\CSE\CNS-1> & C:\Users\at1ur\AppData\Local\Microsoft\WindowsApps\python3.11.exe "c:\Users\at1ur\OneDrive\Desktop\CSE\CNS-1\Personal Portfolio Landing Page.py"
=== Caesar Cipher: Encrypt & Decrypt ===
Enter your message: sr university
Enter shift key (integer): 3

--- Results ---
Original Message : sr university
Encrypted Message: vu xqlyhuvlwb
Original Message : siri bhavana srihoney
Encrypted Message: vlul ekdydgd vulkrqhb
Decrypted Message: siri bhavana srihoney
PS C:\Users\at1ur\OneDrive\Desktop\CSE\CNS-1> & C:\Users\at1ur\AppData\Local\Microsoft\WindowsApps\python3.11.exe "c:\Users\at1ur\OneDrive\Desktop\CSE\CNS-1\Personal Portfolio Landing Page.py"
=== Caesar Cipher: Encrypt & Decrypt ===
Enter your message: sr university
Enter shift key (integer): 3

--- Results ---
```

2303A51L47

BATCH-28

N. Srihoney