```python
from pwn import *


def main():
    allowed_chars = (string.ascii_letters + string.digits + "{}" + "_" + "-").encode('ascii')

    start_pattern = b"CSCTF{"
    end_char = b"}"

    p = remote("chals.2025.chronos-security.ro", 35157)

    log.info("Successfully connected. Filtering for signal...")

    state = 0
    search_buffer = b""

    log.info(f"Searching for pattern: {start_pattern.decode()}")

    try:
        while True:
            try:
                byte = p.recv(1)
            except EOFError:
                log.warn("Connection closed by server.")
                break

            if not byte:
                log.warn("Connection closed (no data received).")
                break

            if byte in allowed_chars:

                if state == 0:
                    search_buffer += byte

                    if start_pattern in search_buffer:
                        log.success("Found flag pattern start!")
                        state = 1

                        start_index = search_buffer.find(start_pattern)
                        flag_so_far = search_buffer[start_index:]
```

```
                    sys.stdout.write(flag_so_far.decode('ascii'))
                    sys.stdout.flush()

                    if end_char in flag_so_far:
                        log.success("\nFound closing brace in initial buffer!")
                        break

            elif state == 1:
                sys.stdout.write(byte.decode('ascii'))
                sys.stdout.flush()

                if byte == end_char:
                    log.success("\nFound closing brace! Flag complete.")
                    break

    except KeyboardInterrupt:
        log.info("Stopped by user (Ctrl+C).")
    finally:
        sys.stdout.write('\n')
        p.close()
        log.success("Filter complete. Connection closed.")


if _name_ == "_main_":
    main()
```

THE FLAG : CSCTF{not_just_noise_there_is_a_fl4g}
~Crypto2810