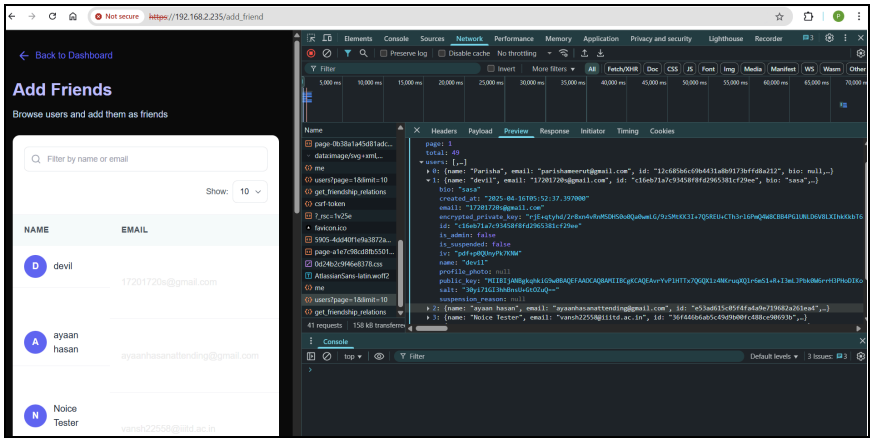
Group no: 3

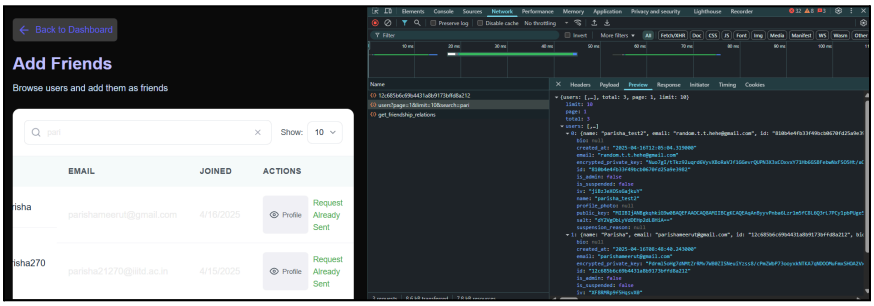
Vulnerability Type:
Security

Description: In this sensitive user information like name, email, bio, ID, and even cryptographic keys (encrypted_private_key, public_key, salt, etc.) are exposed in the frontend in the network tab in inspect (ctel+shift+i). This includes details of all users and not just the logged-in user.

Steps to Reproduce:
1) Go to: https://192.168.2.235/add_friend
2) Go to the network tab in inspect elements (ctrl+shift+i).
3) Now see this request: users?page=1&limit=10.
4) Click on this and in the response tab see that all the user data including PII and cryptographic info is exposed.

Proof of Concept: In this i checked the users?page=1&limit=10 request and saw that all the user have their details like encrypted_private_key, salt, iv, etc viewable to any user of the system through a simple inspection of network traffic.





Impact:
This is a high security and privacy vulnerability. Leaking cryptographic keys and private user information exposes all users to identity theft, impersonation, and potential cryptographic attacks. This is a serious violation of privacy and basic web security best practices.