## **🧠 What Is Shadow Access?**

**Shadow access** ka matlab hai:

“Aise users, tokens, keys, ya permissions jo system me active hain, lekin unka koi use nahi ho raha — aur unhe revoke bhi nahi kiya gaya.”

### **⚠️ Real-world examples:**

* Interns jo chhod ke chale gaye, par unka account abhi bhi active hai
* Vendors ka contract khatam ho gaya, par unka VPN access abhi bhi chal raha hai
* Old SSH keys jo kabhi use nahi hue, par authorized\_keys me abhi bhi hain
* API tokens jo config files me pade hain, par expire nahi hue

## **🎯 What This Project Will Do**

Tu banayega ek tool jo:

### **🔍 Scan karega:**

* Local user accounts (/etc/passwd, lastlog)
* SSH keys (~/.ssh/authorized\_keys)
* API tokens (.env, .aws/credentials)
* Cron jobs (crontab -l)
* Bash history (~/.bash\_history)
* Last login timestamps (who, faillog)

### **📊 Dashboard dikhayega:**

* Username / token / key
* Last used time
* Risk score (based on inactivity + privilege)
* Action buttons: Disable / Revoke / Export

### **🔔 Alert karega:**

* Agar koi access 30+ days se unused hai
* Agar koi high-privilege account inactive hai
* Agar koi token config file me pada hai par use nahi ho raha

## **🧑‍💻 Tech Stack**

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| --- | --- | --- |
| **Layer** | **Tech Used** | **Role** |
| **Frontend** | React + Tailwind | UI dashboard, filters, revoke buttons |
| **Backend** | Express (Node.js) | API to serve scan results |
| **Scanner** | Python | System scan logic |
| **System** | Ubuntu (local) | Test environment |