# My Research On: How Malicious Browser Extensions Can Harm Users

Malicious browser extensions may look useful, but they can cause serious security and privacy issues.

## 1. Steal Login Credentials

- Capture usernames and passwords

- Access saved browser passwords

- Perform session hijacking

## 2. Track Browsing Activity

- Monitor websites visited

- Collect search history

- Track online behavior for data selling

## 3. Inject Advertisements

- Display unwanted pop-ups

- Redirect to fake shopping or phishing websites

- Replace legitimate ads with malicious ones

## 4. Modify Web Content

- Change search engine results

- Redirect traffic to scam websites

- Inject malicious scripts into webpages

## 5. Install Malware

- Download hidden malicious files

- Act as a gateway for spyware or ransomware

## 6. Excessive Permissions Abuse

If an extension has permissions like:

- "Read and change all website data"

- "Access browsing history"

- "Manage downloads"

It can misuse these permissions to compromise user privacy.