

AN AUTOMATIC WEB VULNERABILITY SCANNER AS A BROWSER EXTENSION

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Web vulnerability scanners using browser extensions are a new way to improve web security by providing users with effective tools to detect and mitigate potential vulnerabilities in text. Website security is crucial in today's digital environment where online interactions and transactions are ubiquitous. Traditional cybersecurity tools often require specialized knowledge and ease of use, limiting their use by the general public. The project offers a browser extension that allows users to scan websites for vulnerabilities without requiring much technical expertise. This browser extension is designed to be compatible with popular web browsers, making it available to a wide range of users. It integrates seamlessly into search, allowing users to launch downsides of the website with just one click. This extension uses an extensive library of known web vulnerabilities to perform scans for potential issues, including but not limited to cross-site scripting (XSS), SQL injection, and cross-site request fault (CSRF). It uses a combination of static and passive analysis techniques to identify potential threats and present the results to users in a clear and understandable format. The extension not only identifies the problem, but also informs the user about the risk and the steps to be taken to solve the problem. It allows web owners, developers, and users to take significant steps to strengthen web application security.