

CYBER CLARITY

Team members:

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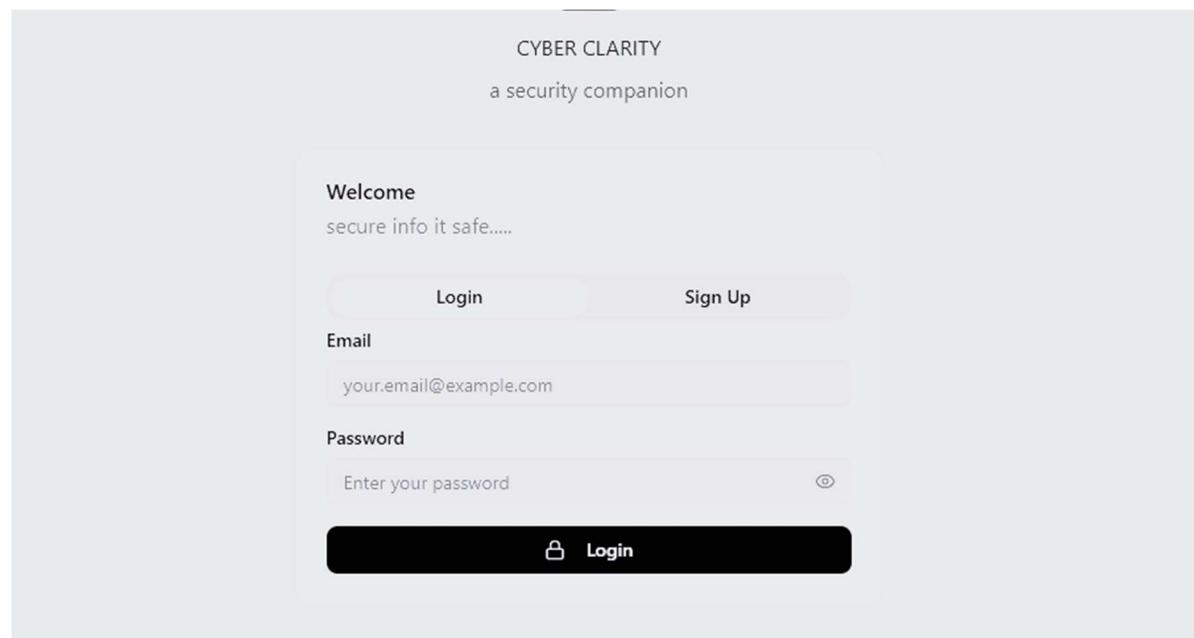
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Problem Statement:

Cyber Clarity solves key cybersecurity issues such as insecure data storage, phishing through malicious links, malware-infected files, weak authentication, and low cyber awareness by providing encrypted storage, link safety checks, file scanning, and secure user authentication.

About: ***Cyber Clarity*** is a comprehensive **cybersecurity** web application designed to help users securely manage sensitive information and perform security checks on links and files

Tech used : MERN STACK

1. HOMEPAGE : is basic authentication of user:**Login:**

- Secure login and registration system
- JWT token-based session management
- Password encryption and validation

Signup :

The screenshot shows the Cyber Clarity Signup page. At the top, it says "CYBER CLARITY" and "a security companion". Below that, a welcome message reads "Welcome" and "secure info it safe.....". There are two buttons: "Login" and "Sign Up". The "Sign Up" button is highlighted with a pink background. Below these buttons, there are input fields for "Full Name" (containing "kritheesh"), "Email" (containing "your.email@example.com"), and "Password" (with placeholder text "Create a strong password" and an eye icon). At the bottom, there is a large black "Create Account" button.

2. NOW coming to the **DashBoard** we can directly see the the **feautures** which are :

The screenshot shows the CYBER CLARITY application interface. At the top, there is a dark header bar with the text "CYBER CLARITY" and "Welcome back, mokshithr530". On the right side of the header is a "Logout" button. Below the header, there are three tabs: "Secure Notes" (which is selected and highlighted in a dark grey box), "Link Checker", and "File Scanner". In the main content area, there is a section titled "Secure Notes" with the sub-instruction "All notes are encrypted and protected". To the right of this text is a "Add Note" button. Below this, there are three saved notes displayed in a grid:

- Bank ATM PIN**: Title "pin", Category "Banking", Content "*****", Actions: "Edit" and "Delete".
- Email Password**: Title "password", Category "Personal", Content "*****", Actions: "Edit" and "Delete".
- WiFi Password - Home**: Title "password", Category "Personal", Content "*****", Actions: "Edit" and "Delete".

- Encrypted storage for sensitive information (passwords, PINs, personal notes)
- Category organization (Banking, Social Media, Work, Personal)

As you can see that there some saved notes like bank atm and all that's how it is saved when you login and when you sign up you can click on the **AddNote** button:

The screenshot shows the CYBER CLARITY application interface with a modal dialog box titled "Add Secure Note" overlaid. The dialog has the following fields:

- Title**: game passcode
- Category**: Password
- Content**: password:password

At the bottom of the dialog are "Cancel" and "Save" buttons. The background of the application shows the same "Secure Notes" section as the previous screenshot, with the "Add Note" button visible.

The next feature is **Link Checker**:

The screenshot shows the CYBER CLARITY web application interface. At the top, there is a dark circular profile picture placeholder, the text "CYBER CLARITY", and "Welcome back, mokshithr530". On the right, there is a "Logout" button. Below the header, there are three navigation links: "Secure Notes" (with a document icon), "Link Checker" (with a link icon, highlighted in a dark box), and "File Scanner" (with a file icon). The main content area is titled "Link Safety Checker" with the sub-instruction "Verify if a URL is safe before clicking". Underneath, there is a section titled "Check a Link" with the instruction "Enter any URL to analyze it for potential security threats". A text input field contains the URL "https://example.com or example.com", and a "Check" button is located to its right.

--> Properties:

- URL validation against malicious link databases
 - Real-time threat analysis
 - Safety status indicators (Safe, Suspicious, Malicious)
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The final feature is File Scanner:

The screenshot shows the CYBER CLARITY web application interface. At the top, there is a dark circular profile picture placeholder, the text "CYBER CLARITY", and "Welcome back, mokshithr530". On the right, there is a "Logout" button. Below the header, there are three navigation links: "Secure Notes" (with a document icon), "Link Checker" (with a link icon), and "File Scanner" (with a file icon, highlighted in a dark box). The main content area is titled "File Safety Scanner" with the sub-instruction "Upload files to check for potential security threats". Underneath, there is a section titled "Upload File to Scan" with the instruction "Select any file to perform a security analysis". A large dashed rectangular area serves as a file upload dropzone, containing an upward arrow icon and the text "Click to upload or drag and drop" and "Any file type accepted".

--> **Properties:**

- Upload and scan files for potential security threats
 - Integration with virus scanning APIs (VirusTotal)
 - File type validation
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In the end you just **LogOut**