## TECHNOLOGIES NEEDED

### Languages And Frameworks

* HTML: Used for structuring the web pages.
* CSS: For styling the web pages to ensure they are visually appealing.
* JavaScript: For client-side scripting to handle interactive elements like modal pop-ups.
* Node.js: A JavaScript runtime built on Chrome's V8 JavaScript engine, necessary for running JavaScript on the server.
* Express.js: A fast, unopinionated, minimalist web framework for Node.js, used to handle server-side logic.

### Database

* MySQL: Used to store user data and other necessary information.

### Development Tools

* IDE: Integrated Development Environment (IDE) like Visual Studio Code, Sublime Text, or Atom , which ever environment you are used to for coding purposes.
* Postman: Useful for testing server endpoints during development.
* Git: Version control system to manage changes to the project files.
* Node Package Manager (npm): Used for managing Node.js packages.

### Libraries and Middleware:

* dotenv: For loading environment variables from a .env file into process.env to manage sensitive configuration settings securely.
* bcrypt: For hashing and securing passwords.

## INSTALLATION STEPS

1. **Install Node.js and npm**

Node.js is bundled with npm (Node Package Manager), which is used for managing dependencies.

* Visit [Node.js official website](https://nodejs.org/en) and download the installer for your operating system.
* Follow the installation instructions. To verify that Node.js and npm were installed successfully, open your command prompt or terminal and run:
* node -v
* npm -v
* These commands should print the version numbers of Node.js and npm, respectively.

1. **Install Git**

* Windows
* Download the installer from [Git's official site](https://git-scm.com/).
* Run the downloaded installer and follow the instructions, making sure to include Git in your PATH.

git --version

* To verify installation, run:
* This command should print the installed version of Git.
* Mac
* Git might already be installed. You can check by running ‘**git –version**’ in the terminal.
* If it's not installed, you can install it via [Homebrew](https://brew.sh/) (if you have Homebrew installed) by running:

brew install git

* Linux
* Use your package manager to install Git. For Ubuntu, for example:
* sudo apt update
* sudo apt install git
* Verify the installation with ‘**git –version**’.

1. **Clone the Repository**

Once Git is installed, you can clone the project repository.

* Open your command prompt or terminal.
* Navigate to the directory where you want to store the project.
* Execute the clone command:

git clone https://github.com/mviswan34/Env\_Awareness\_Website.git

1. Install Project Dependencies

Navigate to the project directory and install the required npm packages.

* Open your command prompt or terminal.
* Change directory to your project’s root directory.

cd path\to\your\project

* Install all dependencies defined in ‘package.json’:

npm install …

1. Set Up Environment Variables

* Open .env in a text editor and fill in the necessary details like API Secret key and database credentials.

1. Install External Libraries:

Install dotenv which is essential since it manages environment variables securely.

* Open your command prompt or terminal.
* Navigate to your project's Home Page directory.
* Install dotenv using npm. This command will download dotenv :

npm install dotenv