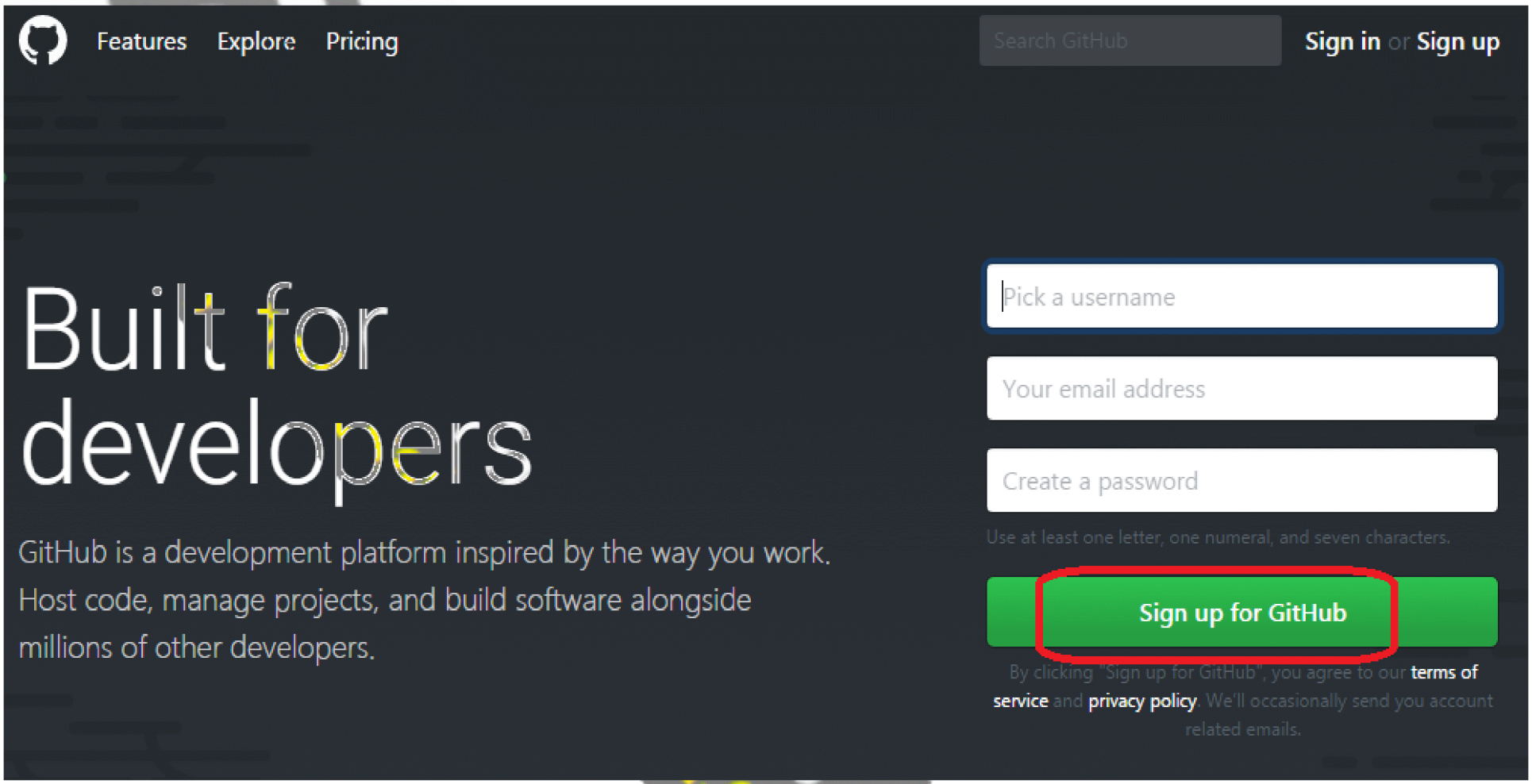
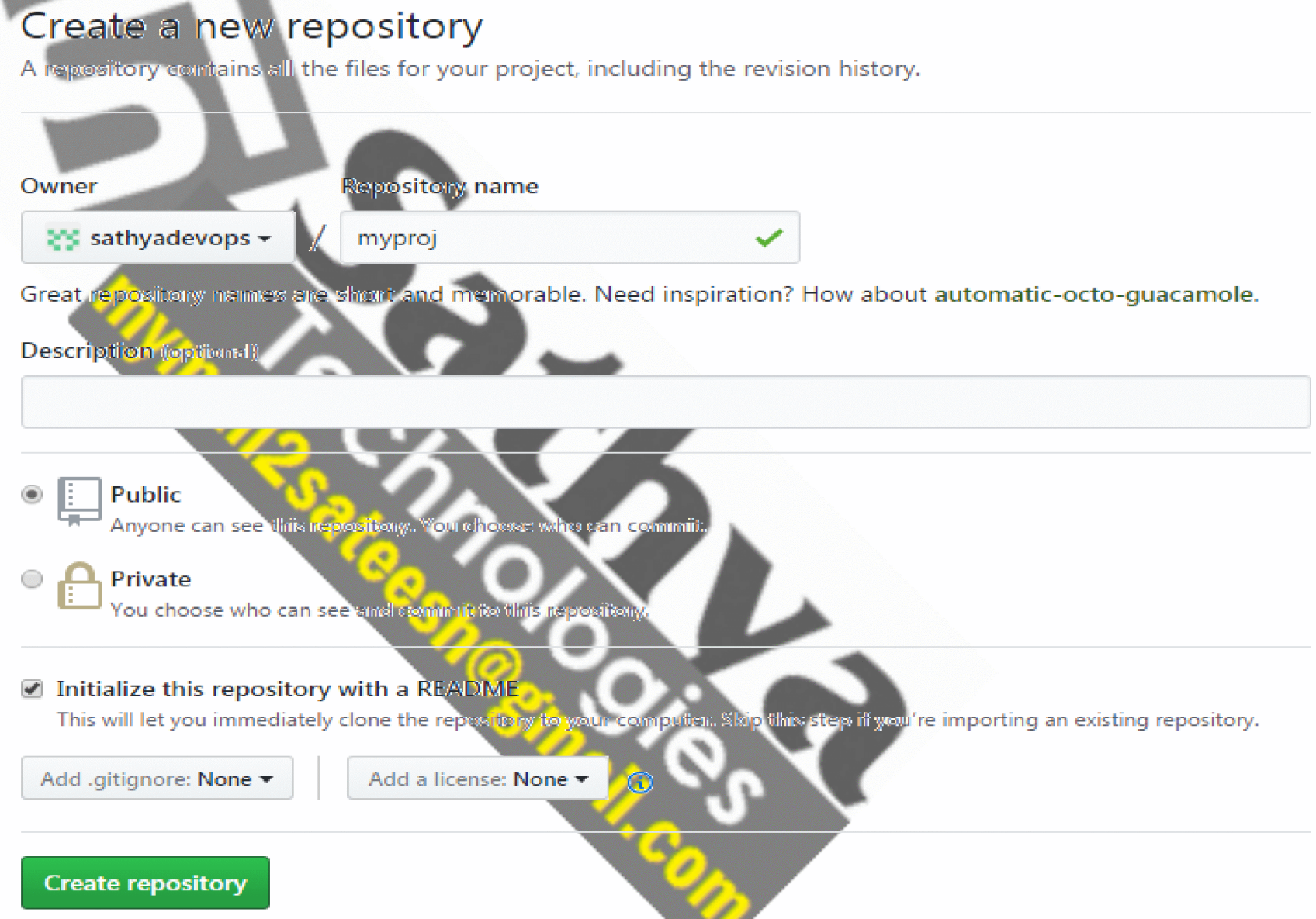
Create Account in GitHub



Create Repository



Install Git on Ubuntu 14.04

Step 1: Installation

#apt-get update

#apt-get install git-core –y

#git --version

Step 2: Configuration

#git config --global user.name sathyadevops

#git config --global user.email sathyadevops1@gmail.com

#cat .gitconfig (or) #git config --list

Step 3: Create GIT repository

```
#mkdir  /repos
#cd /repos
#git init
#ls –a
#git clone
```

https://github.com/sathyadevops/myproj.git

Step 4: Working with Git Repository

```
#echo "Welcome to Git" >> README.md
#git status
```

to add a file to cache (staging Area)

```
#git add README.md
#git status
```

to move a file from Staging Area to Local Repo

#git commit -m "initial commit"

to Add amd Commit a file at a time

#git commit -a -m “initial commit“

to push the code to Central Repo(master)

#git push -u origin master

To changed files in your working repository

#git status

To show all git commits

#git log

#git log –p

#git log --since=12-03-2017 --until=13-03-2017

#git log --oneline

To made changes to tracked files

#git diff

#git log

#git diff 57af6s43d..9wg5c2ys3

To list all branches

#git branch

to work with branches:

#git branch branch1

#git checkout branch1

#git branch

#vi index

new line from branch

#git commit –a -m "new line from branch"

#git push -u origin branch1

check in browser → github

to merge the branch code into master

#git checkout master

#git merge branch1

#cat index.html

#git push -u origin master

to delete a Branch:

#git branch -d branch1

to delete a Branch without merging the Data:

#git branch -D branch1

#git branch

Git - Review Changes

 # git diff

git log

git show

c0f455906befd100192848233fbb896d081e2284

Git – Remote Server

#git remote -v

#git checkout -- . (to revert all the changes)

Git Stash

- git stash temporarily shelves (or *stashes*) changes you've made to your working copy so you can work on something else, and then come back and re-apply them later on.
- Stashing is a way to pause what you're currently working on and come back to it later.

#vi index.html

```
<h1> Hello World </h1>
<h2> New line is added </h2>
```

git diff

Stash your changes away with:

git stash (or)

git stash save "message"

git diff

cat index.html

```
<h1> Hello World </h1>
```

To List multiple layers of stashes

git stash list

git stash show

You're back to your original working state

```
# git stash apply
# git stash apply stash@{0}
# git stash pop
# cat index.html
   <h1> Hello World </h1>
   <h2> New line is added </h2>
```

We can manually delete stashes :

```
# git stash drop stash@{1}
```

delete all of the stored stashes

```
# git stash clear
```