

Computer Hardware Software

GITHUB (DevOps)

<https://github.com/deepanshusinghal16/chsProjects>

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Q1) Upload all of your projects in git repository and use git for Devops

- Initializing Git within a remote directory using the ***git init*** command.
- Using the ***git add .*** command to include all files.
 1. The '.' symbol is utilized to add all files within the directory
 2. If you want to upload a specific file, you can do so using the command ***git add fileName***.

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Deepanshu> cd .\Desktop\
PS C:\Users\Deepanshu\Desktop> cd .\ComputerHardwareSoftware-master\
PS C:\Users\Deepanshu\Desktop\ComputerHardwareSoftware-master> git add .
warning: in the working copy of 'R/Logisticregression_in_R.r', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'R/datastructures_in_R.r', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'R/lineregression_in_R.r', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Spark/pyspark.ipynb', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'Spark/pyspark_task2.ipynb', LF will be replaced by CRLF the next time Git touches it
```

- Commit the changes using ***git commit -m "Message"*** command.
- Link the github repository with the local directory using ***git remote add origin repoUrl*** command.

```
PS C:\Users\Deepanshu\Desktop\ComputerHardwareSoftware-master> git commit -m "Saving minor Projects"
[master (root-commit) 4d9934d] Saving minor Projects
13 files changed, 28384 insertions(+)
create mode 100644 .DS_Store
create mode 100644 PowerBI/SuperStore_Sales_Dataset.csv
create mode 100644 PowerBI/store-sale-dashboard.pbix
create mode 100644 R/.DS_Store
create mode 100644 R/Fourth.R
create mode 100644 R/Logisticregression_in_R.r
create mode 100644 R/datastructers_in_R.r
create mode 100644 R/linerregression_in_R.r
create mode 100644 Spark/apple_products.csv
create mode 100644 Spark/pyspark.ipynb
create mode 100644 Spark/pyspark_task2.ipynb
create mode 100644 TinyML/TinyML.pdf
create mode 100644 TinyML/ei-motion_detection-arduino-1.0.5.zip
PS C:\Users\Deepanshu\Desktop\ComputerHardwareSoftware-master> git remote add origin https://github.com/deepanshusinghal16/chsProjects.git
```

- Push all the changes to the master branch using command ***git push -u origin branchName***.

```
PS C:\Users\Deepanshu\Desktop\ComputerHardwareSoftware-master> git push -u origin master
Enumerating objects: 19, done.
Counting objects: 100% (19/19), done.
Delta compression using up to 12 threads
Compressing objects: 100% (19/19), done.
Writing objects: 100% (19/19), 8.91 MiB | 428.00 KiB/s, done.
Total 19 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/deepanshusinghal16/chsProjects.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
PS C:\Users\Deepanshu\Desktop\ComputerHardwareSoftware-master>
```

- Changes are shown in Github Repository.

<https://github.com/deepanshusinghal16/chsProjects>

The screenshot shows the GitHub interface for the repository 'chsProjects'. The repository is public and has 1 branch (master) and 0 tags. The commit history shows a single commit 'Saving minor Projects' by 'deepanshusinghal16' 2 minutes ago. The commit message is 'Saving minor Projects'. The commit details show a list of files: PowerBI, R, Spark, TinyML, and .DS_Store, all with the message 'Saving minor Projects' and a timestamp of '2 minutes ago'. The right sidebar shows the repository's metadata: 'Computer Hardware Software Minor + Major Project', 0 stars, 1 watching, and 0 forks. There are no releases published.