## AI TRENDS Lab Exercise – 3

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CDAC – NOIDA PGDAI

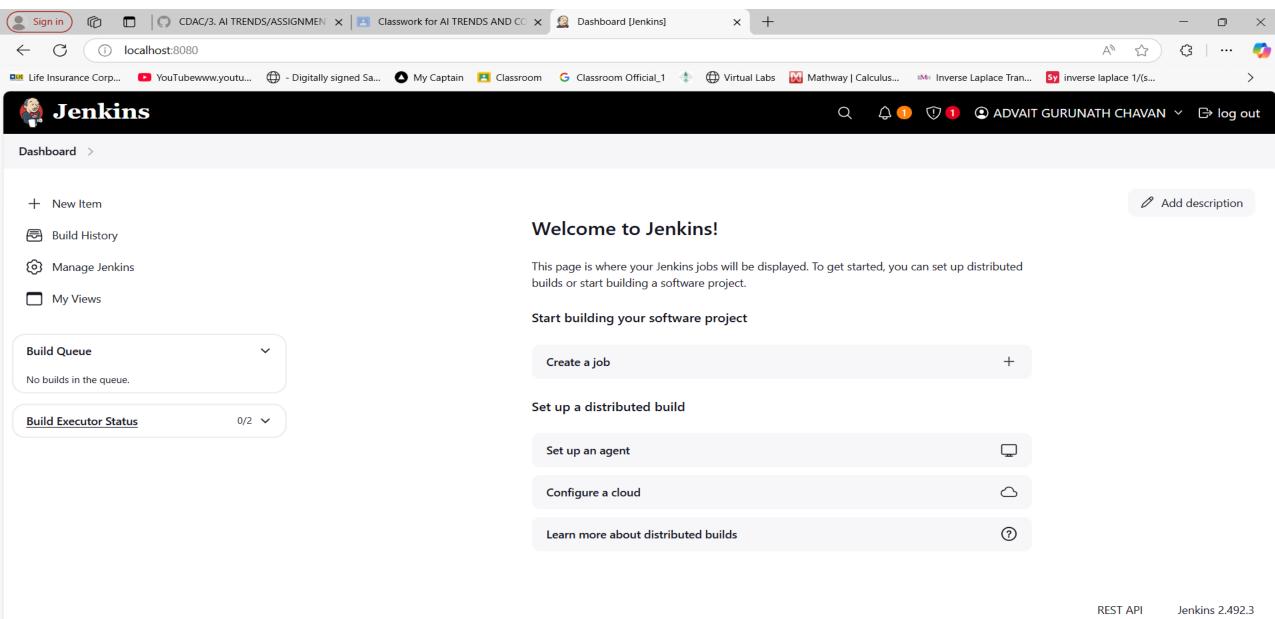
## **ASSIGNMENT**

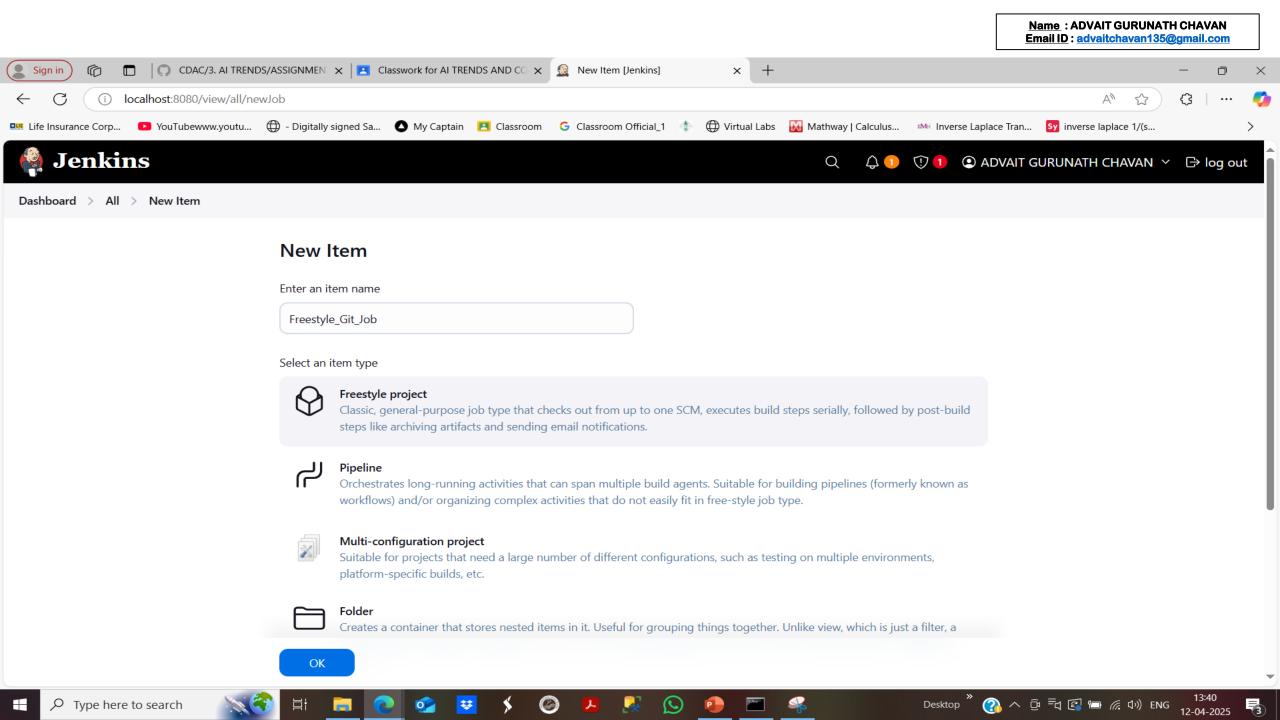
- Q. Create a Jenkins Job in a
  - (i) freestyle Type
- Q. Demonstrate the following
  - (i) Build Triggers w.r.t SCM
  - (ii) Integration with Git

Create a Repository on Git and connect the created branch b1 with the Jenkins and ensure the automation on the build via any changes pushed to the github.

- Q.Create a Jenkins Job in a
  - (ii) pipeline Type

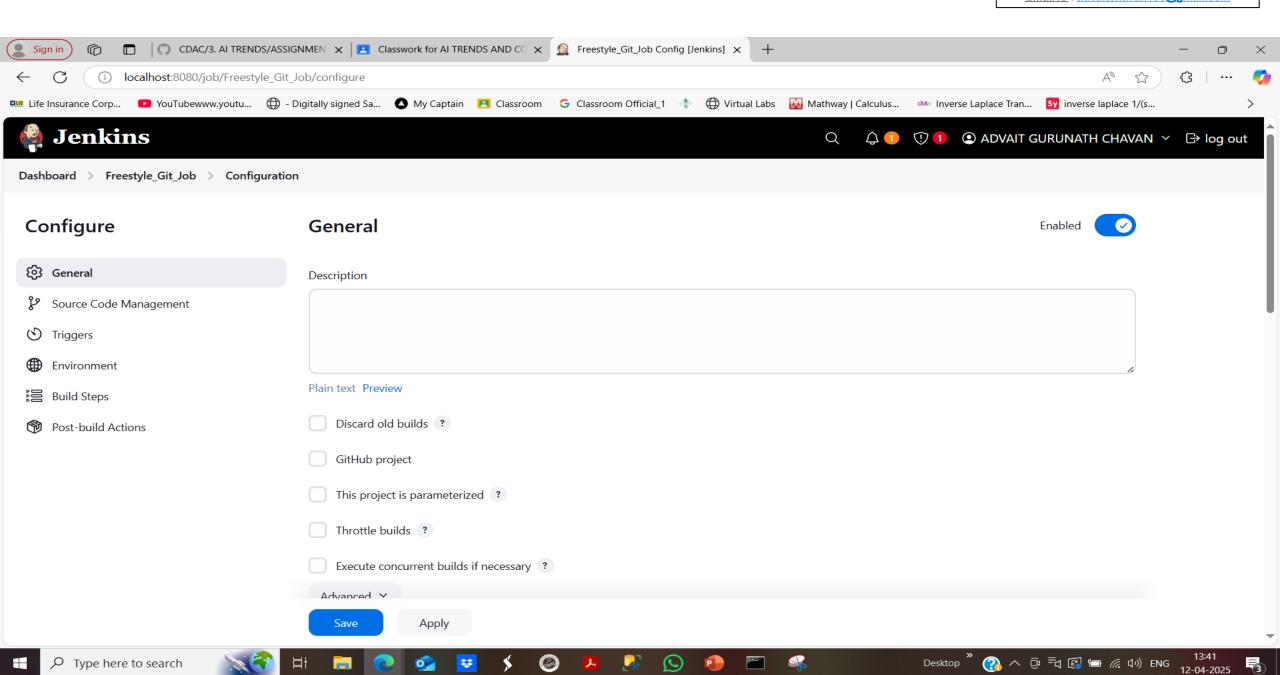
```
\Users\Advait\Desktop\CDAC\ASSIGNMENTS -- SOLUTIONS\MODULE 3 -- AI TRENDS\jenkins>java -jar jenkins.war
  ınning from: C:\Users\Advait\Desktop\CDAC\ASSIGNMENTS -- SOLUTIONS\MODULE 3 -- AI TRENDS\jenkins\jenkins.war
 ebroot: C:\Users\Advait\.jenkins\war
                                       INFO winstone.Logger#logInternal: Beginning extraction from war file
2025-04-12 08:06:10.785+0000 [id=1]
2025-04-12 08:06:11.347+0000 [id=1]
                                      WARNING o.e.i.ee9.nested.ContextHandler#setContextPath: Empty contextPath
 025-04-12 08:06:11.560+0000 [id=1]
                                              org.eclipse.jetty.server.Server#doStart: jetty-12.0.17; built: 2025-03-03T13:15:05.903Z; git: 14d19c268e4cb09afc312b5255a4cbb7a95c5cb6; jvm 17.0.12+8-LTS-286
2025-04-12 08:06:22.109+0000 [id=1]
                                             o.e.j.e.w.StandardDescriptorProcessor#visitServlet: NO JSP Support for /, did not find org.eclipse.jetty.ee9.jsp.JettyJspServlet
                                      2025-04-12 08:06:22.620+0000 [id=1]
2025-04-12 08:06:30.117+0000 [id=1]
                                             hudson.WebAppMain#contextInitialized: Jenkins home directory: C:\Users\Advait\.jenkins found at: $user.home/.jenkins
2025-04-12 08:06:32.288+0000 [id=1]
                                      INFO o.e.j.s.handler.ContextHandler#doStart: Started oeje9n.ContextHandler$CoreContextHandler@751e664e{Jenkins v2.492.3,/,b=file:///C:/Users/Advait/.jenkins/war/,a=AV
AILABLE,h=oeje9n.ContextHandler$CoreContextHandler$CoreToNestedHandler@160c3ec1{STARTED}}
2025-04-12 08:06:32.734+0000 [id=1]
                                             o.e.j.server.AbstractConnector#doStart: Started ServerConnector@47a64f7d{HTTP/1.1, (http/1.1)}{0.0.0.0:8080}
2025-04-12 08:06:32.996+0000 [id=1]
                                              org.eclipse.jetty.server.Server#doStart: Started oejs.Server@619713e5{STARTING}[12.0.17,sto=0] @26442ms
                                              winstone.Logger#logInternal: Winstone Servlet Engine running: controlPort=disabled
2025-04-12 08:06:32.996+0000 [id=26]
                                      INFO
                                              jenkins.model.Jenkins#<init>: Starting version 2.492.3
2025-04-12 08:06:35.771+0000 [id=25]
                                      INFO
2025-04-12 08:06:37.672+0000 [id=33]
                                      INFO
                                               jenkins.InitReactorRunner$1#onAttained: Started initialization
                                              jenkins.InitReactorRunner$1#onAttained: Listed all plugins
2025-04-12 08:06:44.975+0000 [id=36]
                                      INFO
2025-04-12 08:07:14.817+0000 [id=35]
                                      INFO
                                               jenkins.InitReactorRunner$1#onAttained: Prepared all plugins
2025-04-12 08:07:15.175+0000 [id=37]
                                      INFO
                                              jenkins.InitReactorRunner$1#onAttained: Started all plugins
2025-04-12 08:07:15.207+0000 [id=31]
                                      INFO
                                              jenkins.InitReactorRunner$1#onAttained: Augmented all extensions
                                              h.p.b.g.GlobalTimeOutConfiguration#load: global timeout not set
2025-04-12 08:07:17.990+0000 [id=33]
                                      INFO
2025-04-12 08:07:25.422+0000 [id=35]
                                      INFO
                                              jenkins.InitReactorRunner$1#onAttained: System config loaded
                                              jenkins.InitReactorRunner$1#onAttained: System config adapted
2025-04-12 08:07:25.422+0000 [id=35]
                                      INFO
2025-04-12 08:07:25.796+0000 [id=35]
                                      INFO
                                               jenkins.InitReactorRunner$1#onAttained: Loaded all jobs
2025-04-12 08:07:25.824+0000 [id=31]
                                              jenkins.InitReactorRunner$1#onAttained: Configuration for all jobs updated
                                      INF0
                                              jenkins.InitReactorRunner$1#onAttained: Completed initialization
2025-04-12 08:07:26.032+0000 [id=37]
                                      INFO
                                              hudson.lifecycle.Lifecycle#onReady: Jenkins is fully up and running
2025-04-12 08:07:26.194+0000 [id=25]
```

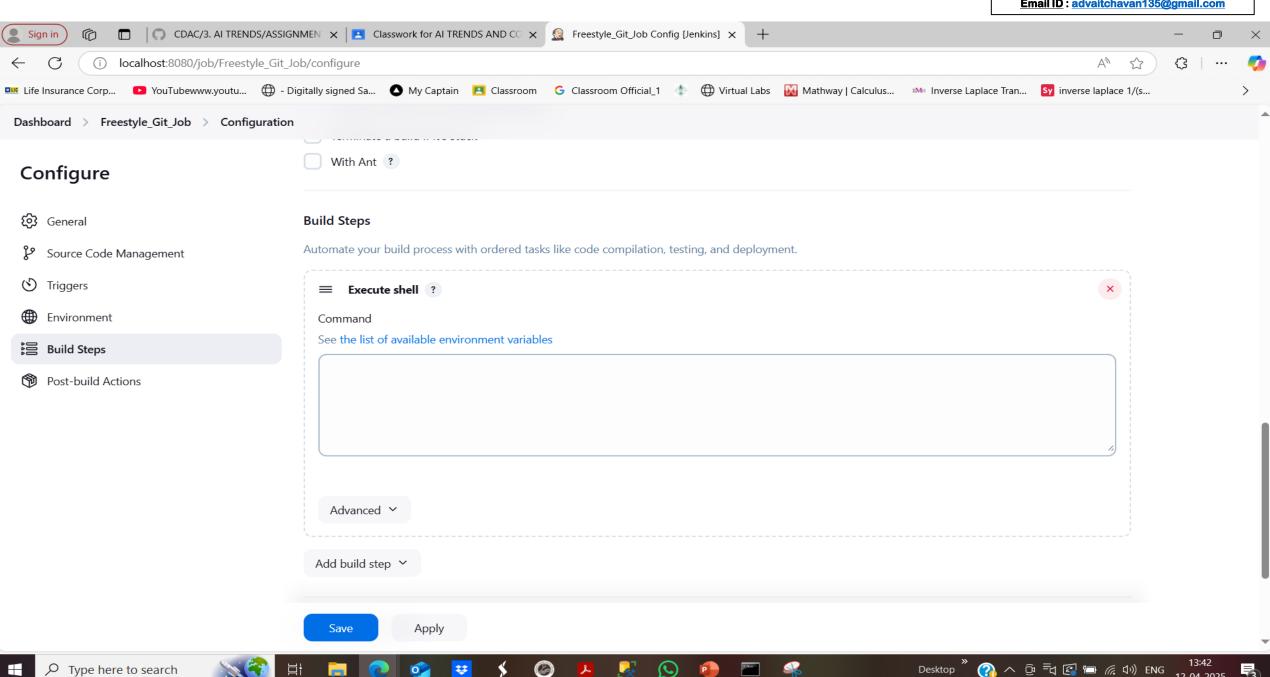




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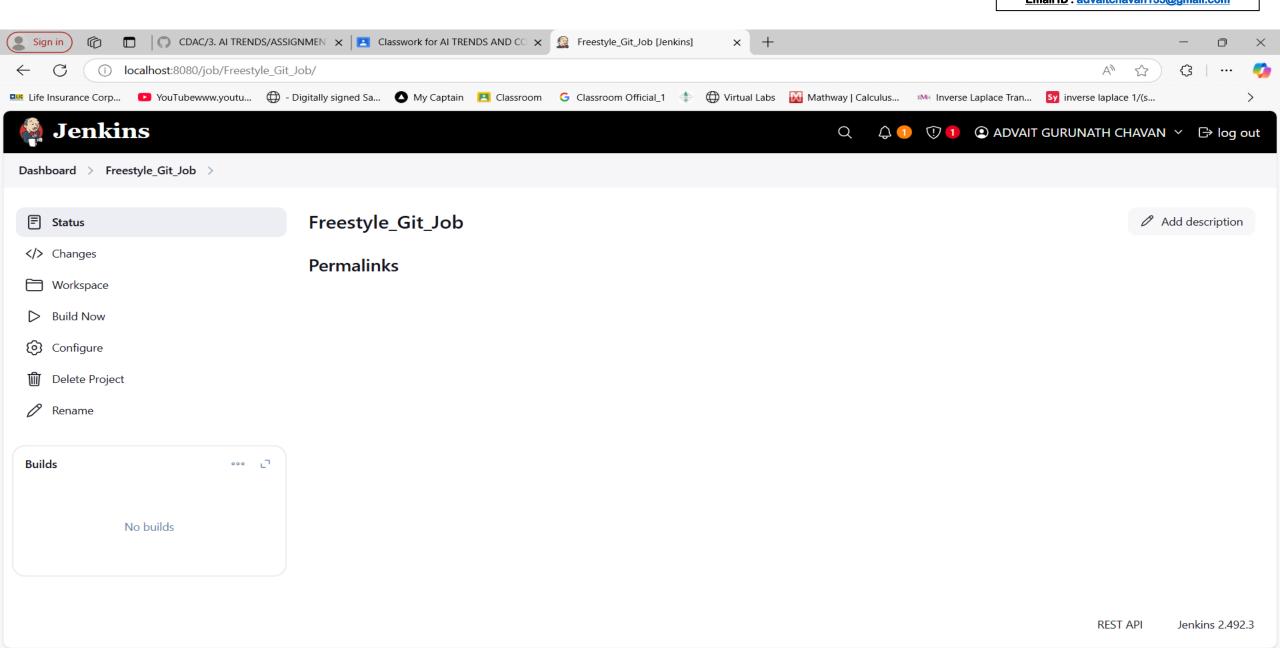












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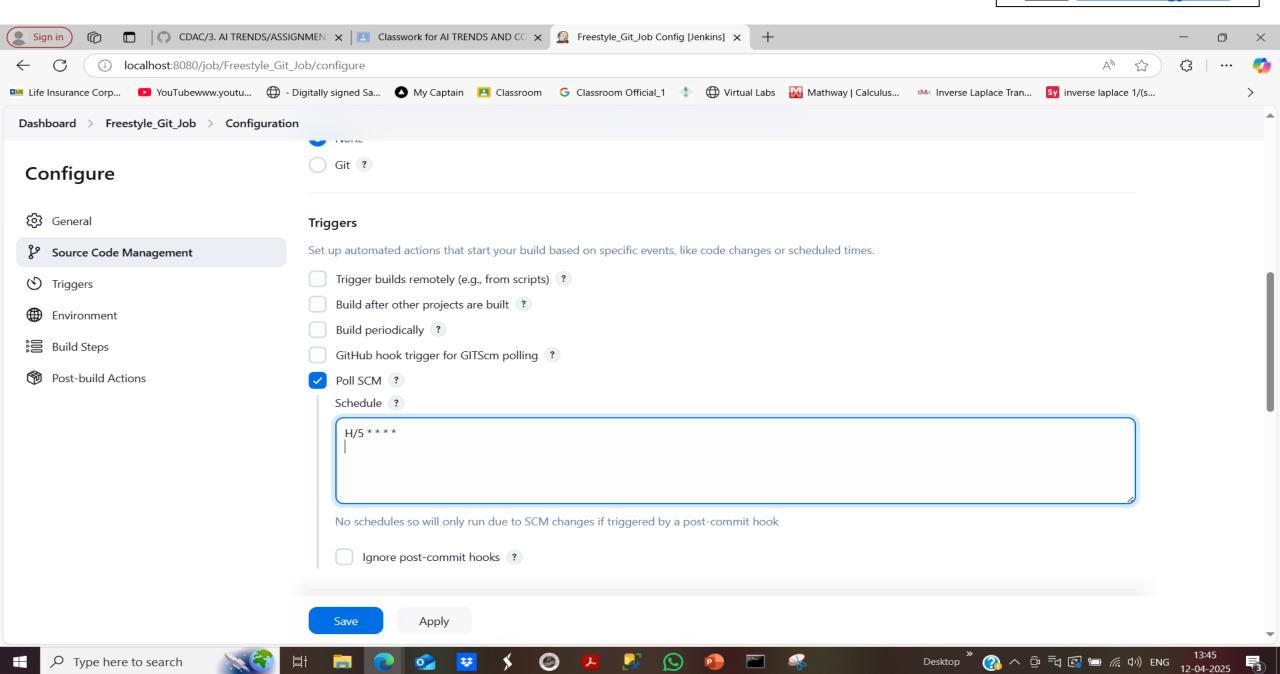
Desktop

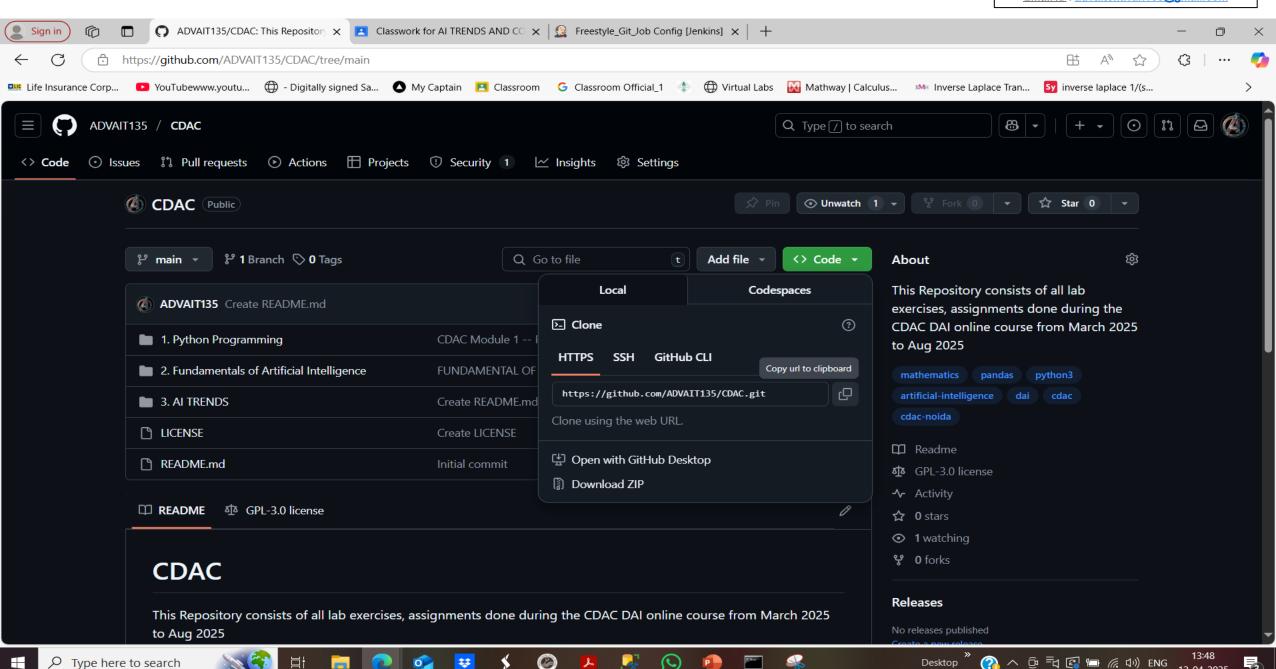
CDAC/3. AI TRENDS/ASSIGNMEN X Classwork for AI TRENDS AND CO X Freestyle\_Git\_Job Config [Jenkins] X localhost:8080/job/Freestyle\_Git\_Job/configure ▶ YouTubewww.youtu... ⊕ - Digitally signed Sa... ♠ My Captain 🔼 Classroom 🧿 Classroom Official\_1 ₩ Virtual Labs Wathway | Calculus... Inverse Laplace Tran... Sy inverse laplace 1/(s... Dashboard > Freestyle\_Git\_Job > Configuration Git ? Configure (General **Triggers** Set up automated actions that start your build based on specific events, like code changes or scheduled times. Source Code Management Trigger builds remotely (e.g., from scripts) ? Triggers Build after other projects are built ? Environment Build periodically ? **Build Steps** GitHub hook trigger for GITScm polling ? Post-build Actions Poll SCM ? Schedule ? No schedules so will only run due to SCM changes if triggered by a post-commit hook Ignore post-commit hooks ? Apply Save 

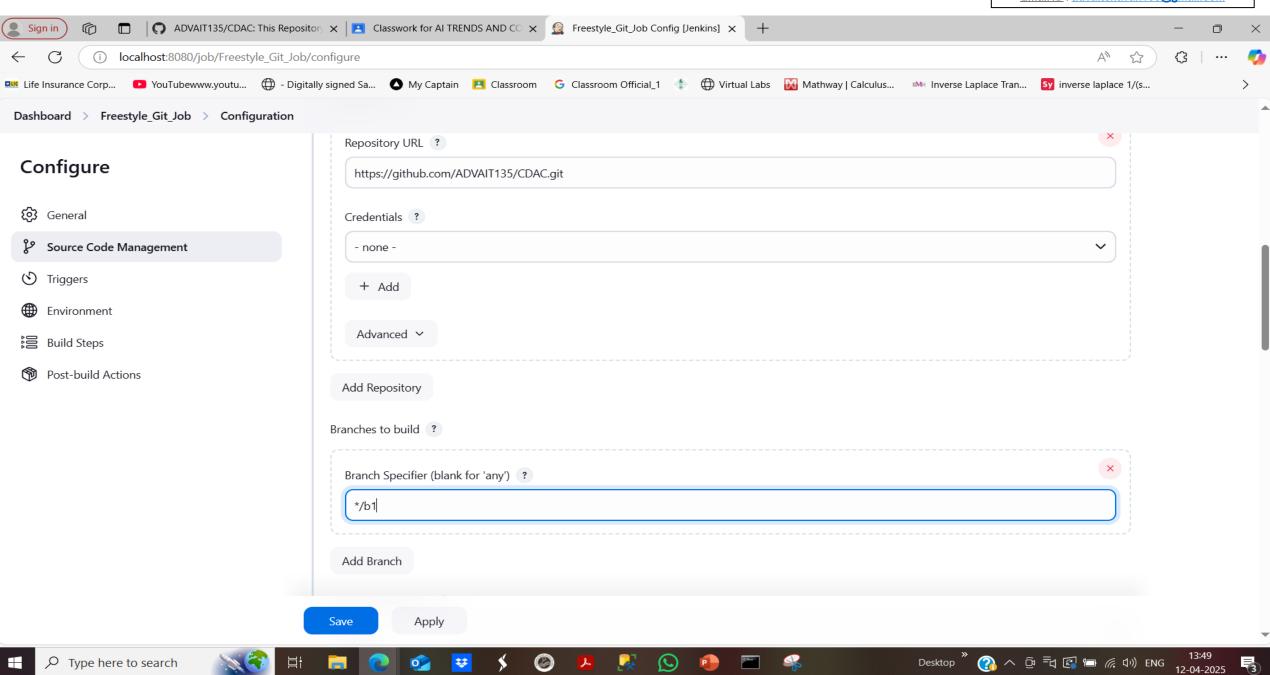
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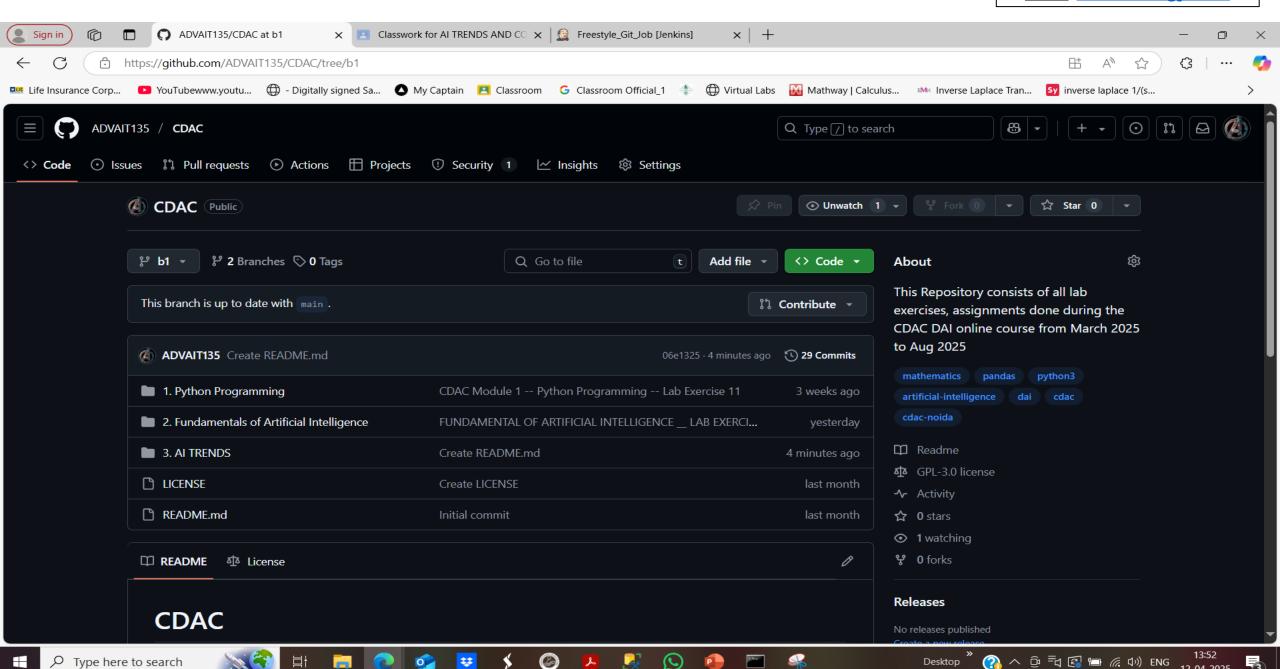










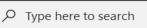


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\$ cd Desktop Advait@LAPTOP-VJLK9EIV MINGW64 ~/Desktop \$ cd CDAC Advait@LAPTOP-VJLK9EIV MINGW64 ~/Desktop/CDAC \$ cd "ASSIGNMENT -- SOLUTIONS" bash: cd: ASSIGNMENT -- SOLUTIONS: No such file or directory Advait@LAPTOP-VJLK9EIV MINGW64 ~/Desktop/CDAC \$ cd "ASSIGNMENTS -- SOLUTIONS" Advait@LAPTOP-VJLK9EIV MINGW64 ~/Desktop/CDAC/ASSIGNMENTS -- SOLUTIONS \$ cd "MODULE 3 -- AI TRENDS" Advait@LAPTOP-VJLK9EIV MINGW64 ~/Desktop/CDAC/ASSIGNMENTS -- SOLUTIONS/MODULE 3 -- AI TRENDS \$ cd "ASSIGNMENT\_3" Advait@LAPTOP-VJLK9EIV MINGW64 ~/Desktop/CDAC/ASSIGNMENTS -- SOLUTIONS/MODULE 3 -- AI TRENDS/ASSIGNMENT 3 \$ 1s '~\$AI TRENDS \_ LAB EXERCISE \_ 3.pptx' 'AI TRENDS \_ LAB EXERCISE \_ 3.pptx' Advait@LAPTOP-VJLK9EIV MINGW64 ~/Desktop/CDAC/ASSIGNMENTS -- SOLUTIONS/MODULE 3 -- AI TRENDS/ASSIGNMENT 3

MINGW64:/c/Users/Advait/Desktop/CDAC/ASSIGNMENTS -- SOLUTIONS/MODULE 3 -- AI TRENDS/ASSIGNMENT\_3





























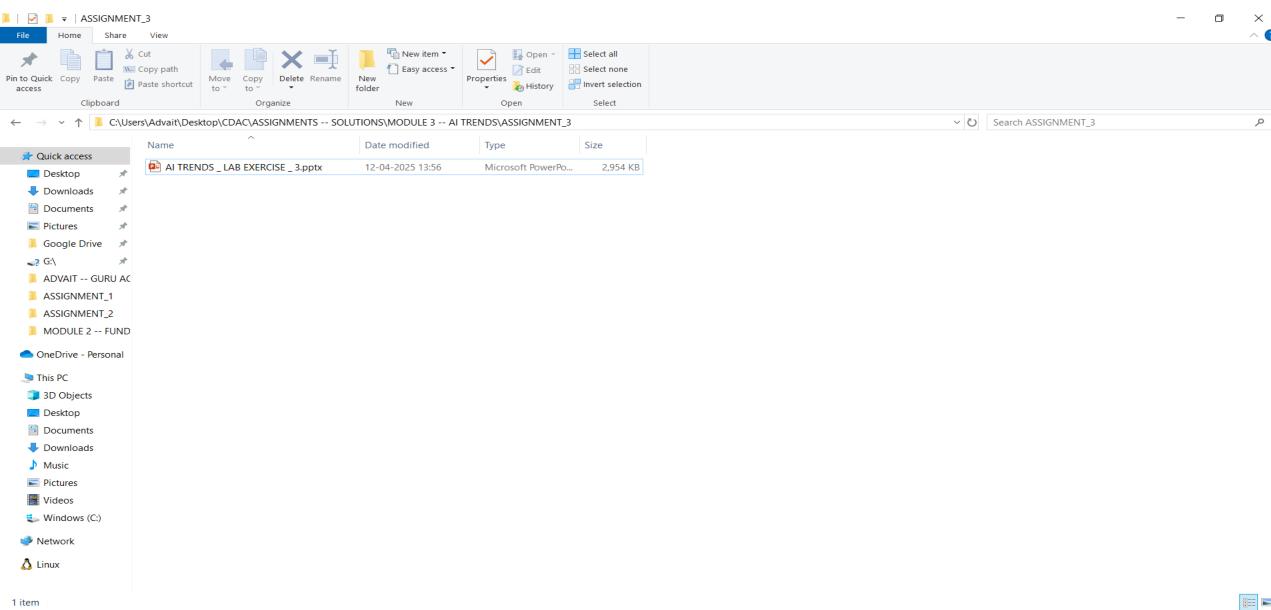






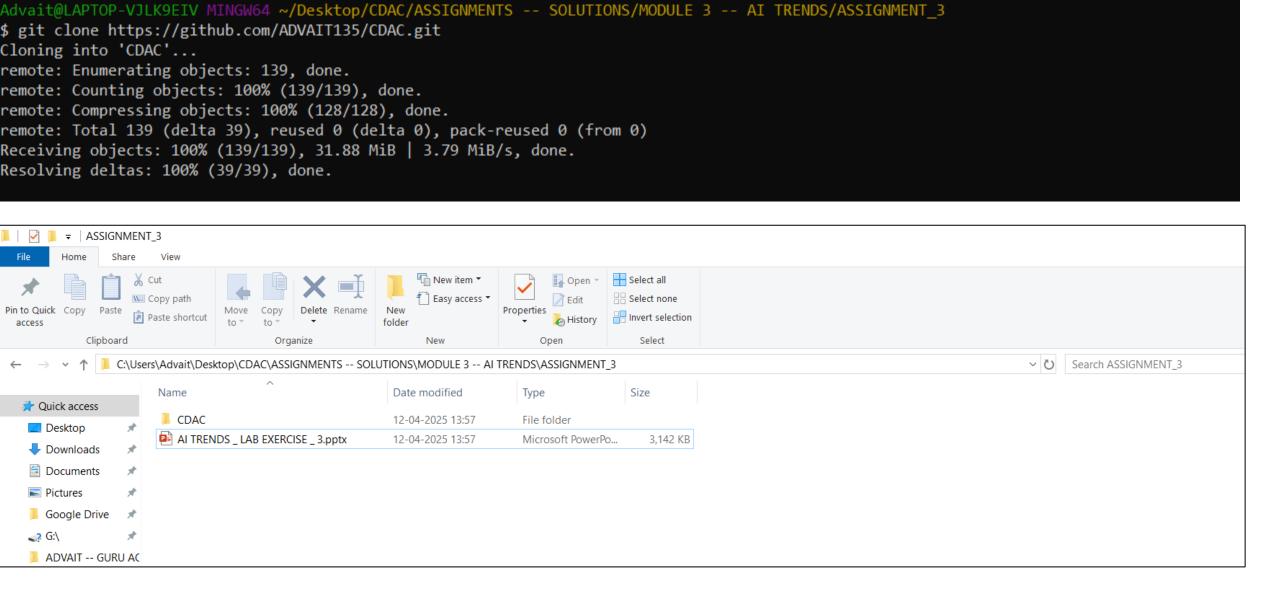






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```
$

Advait@LAPTOP-VJLK9EIV MINGW64 ~/Desktop/CDAC/ASSIGNMENTS -- SOLUTIONS/MODULE 3 -- AI TRENDS/ASSIGNMENT_3/CDAC (main)

$ git checkout -b b1

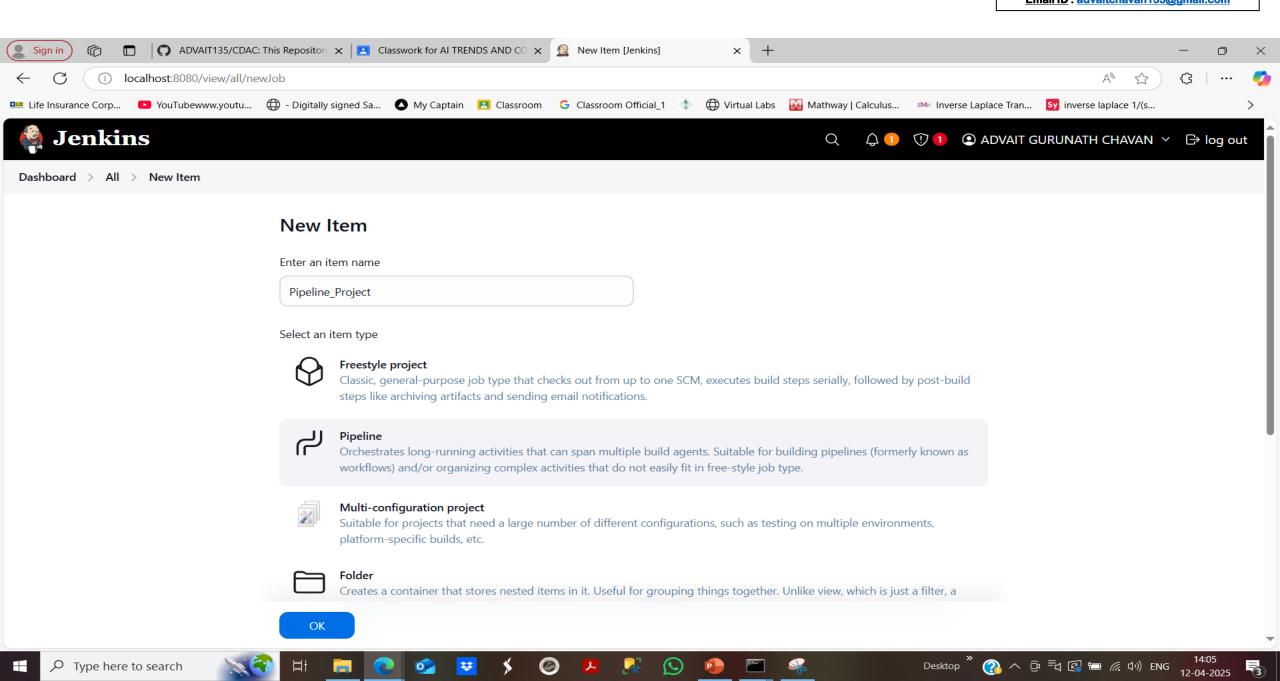
Switched to a new branch 'b1'
```

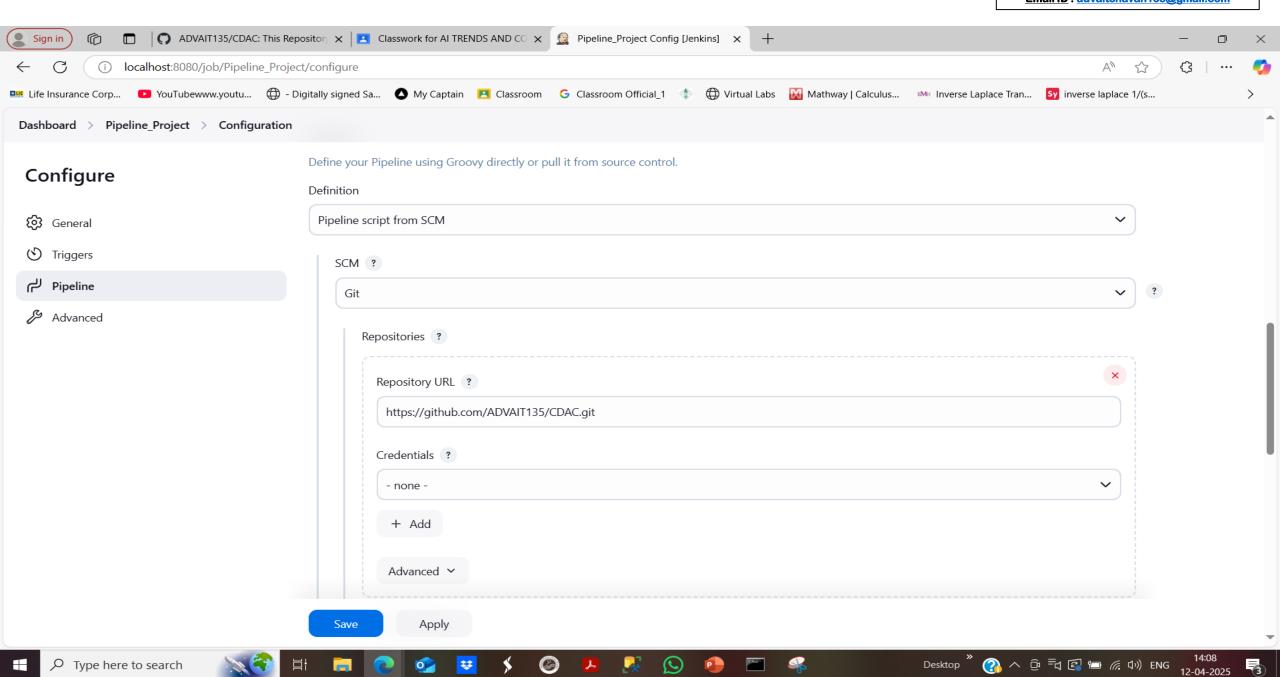
Advait@LAPTOP-VJLK9EIV MINGW64 ~/Desktop/CDAC/ASSIGNMENTS -- SOLUTIONS/MODULE 3 -- AI TRENDS/ASSIGNMENT 3/CDAC (main)

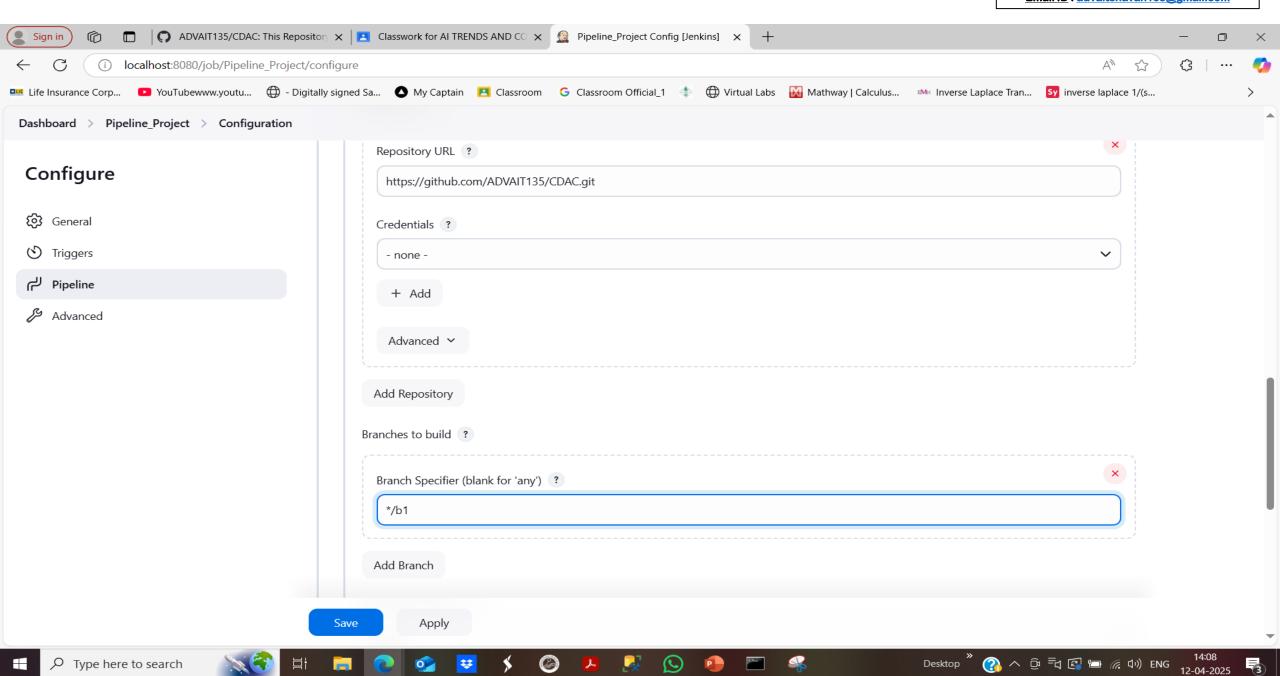
```
$ git add .
Advait@LAPTOP-VJLK9EIV MINGW64 ~/Desktop/CDAC/ASSIGNMENTS -- SOLUTIONS/MODULE 3 -- AI TRENDS/ASSIGNMENT_3/CDAC (b1)
$ git commit -m "Initial commit on b1 branch"
On branch b1
```

nothing to commit, working tree clean

Advait@LAPTOP-VJLK9EIV MINGW64 ~/Desktop/CDAC/ASSIGNMENTS -- SOLUTIONS/MODULE 3 -- AI TRENDS/ASSIGNMENT 3/CDAC (b1)

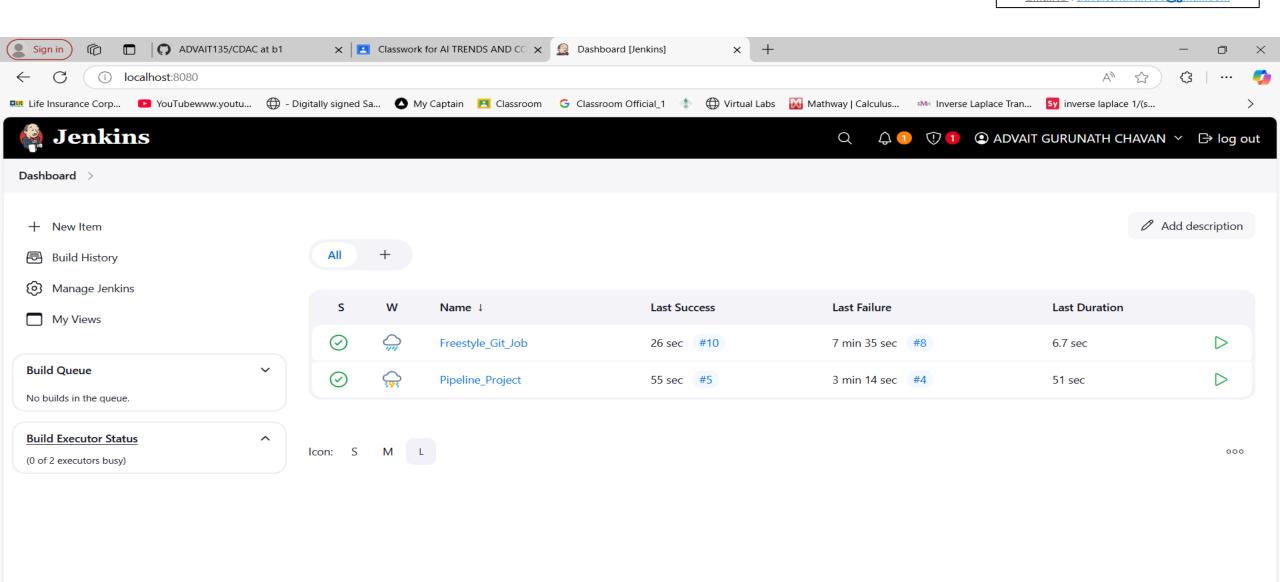






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REST API

Jenkins 2.492.3





































