

GIT OVERVIEW

Project name: Resume Keyword Density Analyzer

Team members: You + 2 friends

Goal: Analyze how well a resume matches a job description



Step 1: Create the Project Repository

- One teammate (team leader) does this:

1. Go to <https://github.com>
 2. Click “New repository”
 3. Set repository name: resume-keyword-analyzer
 4. Choose **Public or Private**
 5. Click **Create repository**
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Step 2: Add Teammates

- Go to repo → **Settings** → **Collaborators**
 - Add teammates using their GitHub usernames
 - They will receive an email or notification
 - They must **accept the invite**
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Step 3: Clone the Project (For Everyone)

Every teammate must copy the project to their computer:

```
git clone https://github.com/your-username/resume-keyword-analyzer.git
```

```
cd resume-keyword-analyzer
```

This creates a folder with all project files.



Step 4: Create the dev Branch

Team leader (or anyone) does this once:

```
git checkout -b dev # Create dev branch
```

```
git push -u origin dev # Push it to GitHub
```

Now everyone will use dev instead of main to work.



Step 5: Plan & Assign Tasks

Split the project into small parts. Example:

Task	Who	Branch name
Upload Resume UI	You	feature/upload-ui
Keyword Analyzer Logic	Friend A	feature/analyzer
Flask API to connect UI	Friend B	feature/backend-api



Step 6: Create Your Feature Branch

Before starting your part:

```
git checkout dev      # Switch to dev  
git pull origin dev  # Get latest code  
git checkout -b feature/xyz # Replace xyz with your task
```

Example:

```
git checkout -b feature/analyzer
```

Now you're in your own working area.



Step 7: Add, Commit & Push Your Work

When you finish coding:

```
git add .           # Stage changes  
git commit -m "Built keyword analyzer" # Save changes with message  
git push origin feature/analyzer # Push to GitHub
```



Step 8: Create Pull Request (PR)

On GitHub:

1. Go to the repository
2. You'll see "**Compare & pull request**"
3. Make sure:
 - o **base** = dev
 - o **compare** = your feature branch
4. Add a title + short description
5. Click "**Create pull request**"

This asks your team to **review your code**.



Step 9: Review & Merge the PR

- Teammate or leader reviews the pull request
 - If code looks good, click **Merge**
 - Now your work is added to the dev branch
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Step 10: Keep Your Work Updated

Before starting a new task or continuing work:

```
git checkout dev  
git pull origin dev  
git checkout feature/my-branch  
git merge dev
```

This keeps your code in sync with everyone else's changes.



Step 11: Final Merge to main

When:

- All features are done
- The project works perfectly
- Team agrees it's ready

Then the leader does:

```
git checkout main
```

```
git pull origin main
```

```
git merge dev
```

```
git push origin main
```

Now main has the **complete, working project**.



Visual Recap

