WEEK-10

WEB DEVELOPMENT USING AGENTIC AI, CI/CD PIPELINE AND HOSTING

Agentic AI is a new wave of artificial intelligence that acts on its own initiative, proactively pursuing goals and solving problems without constant human direction. Imagine a digital assistant that doesn't just wait for instructions but anticipates what needs to be handled, takes action, learns from results, and adapts as circumstances change—almost like a colleague who manages projects, solves unexpected issues, and collaborates with both people and machines. This humanized approach helps illustrate why agentic AI is considered a major step forward in how humans and technology work together.

How Agentic AI Differs from Other AI

What sets agentic AI apart is its blend of reasoning, contextual awareness, and continuous optimization. Traditional software needs to be told exactly what to do, following the same steps each time. Generative AI creates content but usually only when prompted. Agentic AI, however, translates knowledge into action, identifying which steps to take in real time, often breaking goals into subtasks and adjusting plans as it goes. It's less like a highly trained tool and more like a project manager that can handle surprises and nuance.

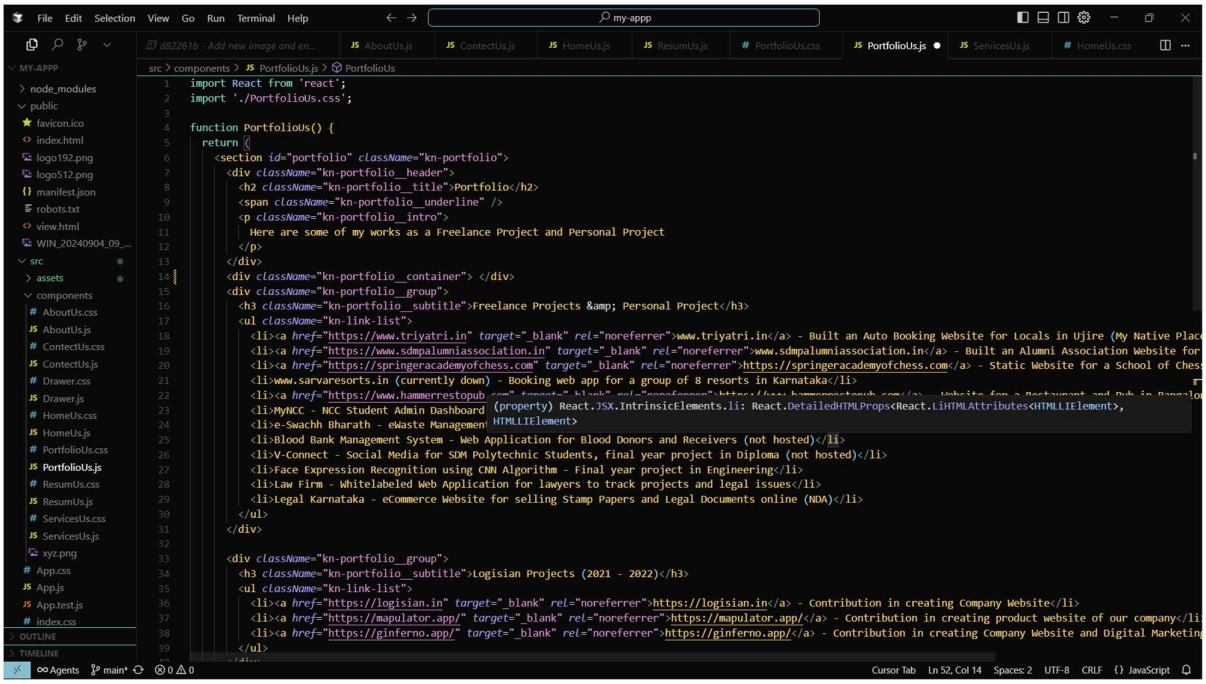
Key Characteristics

A few qualities define this new breed of AI:

- **Proactive**: Instead of waiting for a signal, agentic AI anticipates needs and initiates actions.
- **Adaptable**: It learns from each interaction and adjusts its behavior to fit new scenarios.
- **Context-Aware**: It interprets feedback, changing conditions, and user intent, making decisions based on what's happening in the moment.
- **Collaborative**: Agentic AI can coordinate with other AI agents, humans, and digital systems—much like a team player in a workplace.
- **Specialized**: Systems often comprise multiple agents, each with a deep understanding of a certain domain, working together like a crew of experts.

Portfolio development using agentic AI:

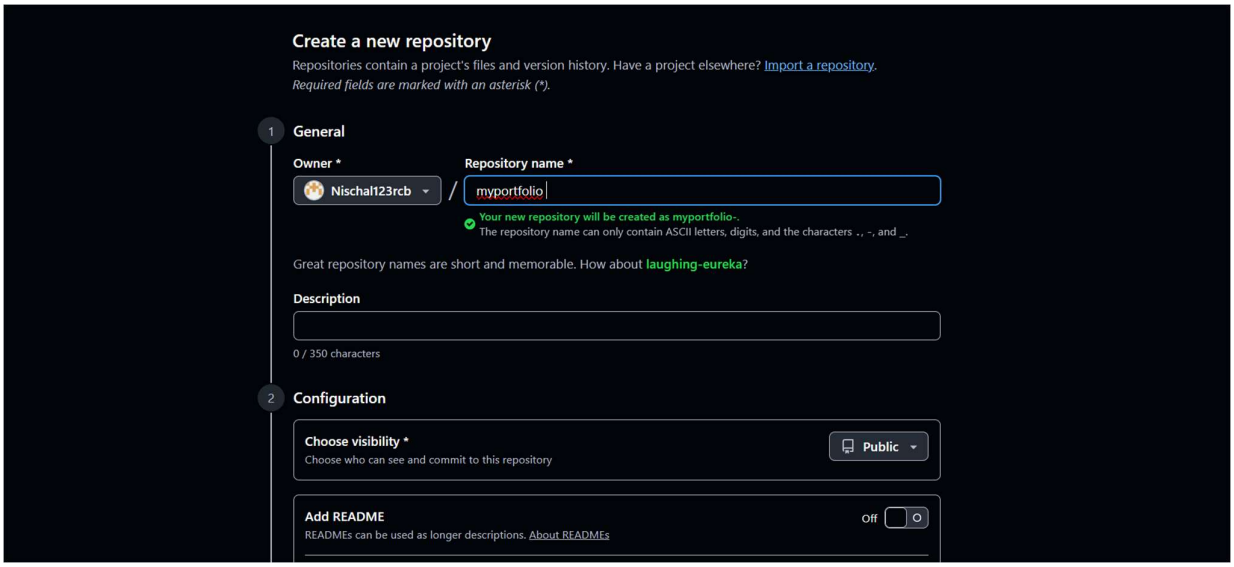
- Login to cursor AI text-editor
- Then create a app using **npx create-react-app my_906F**
- Then take screenshots of an portfolio which you want to build
- Then in chat area add the image and the components to be changed with the prompt **Convert this design into the components required**



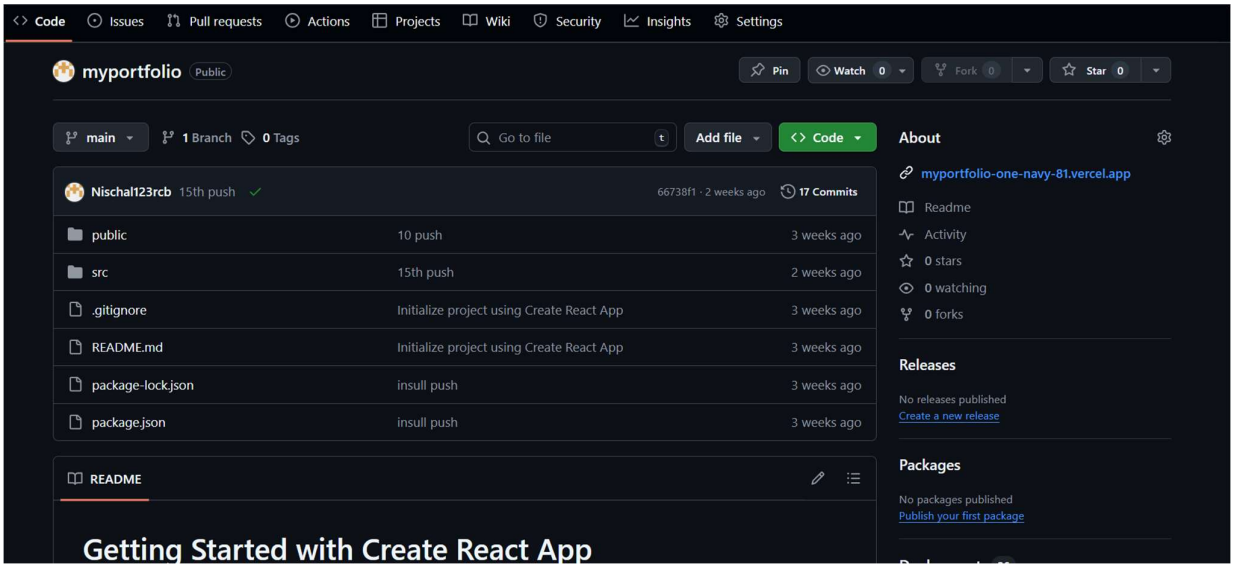
then run the app using **npm start**

Creating git repository and to push:

- Login to GitHub using The username and password
- Create the repository as My-portfolio

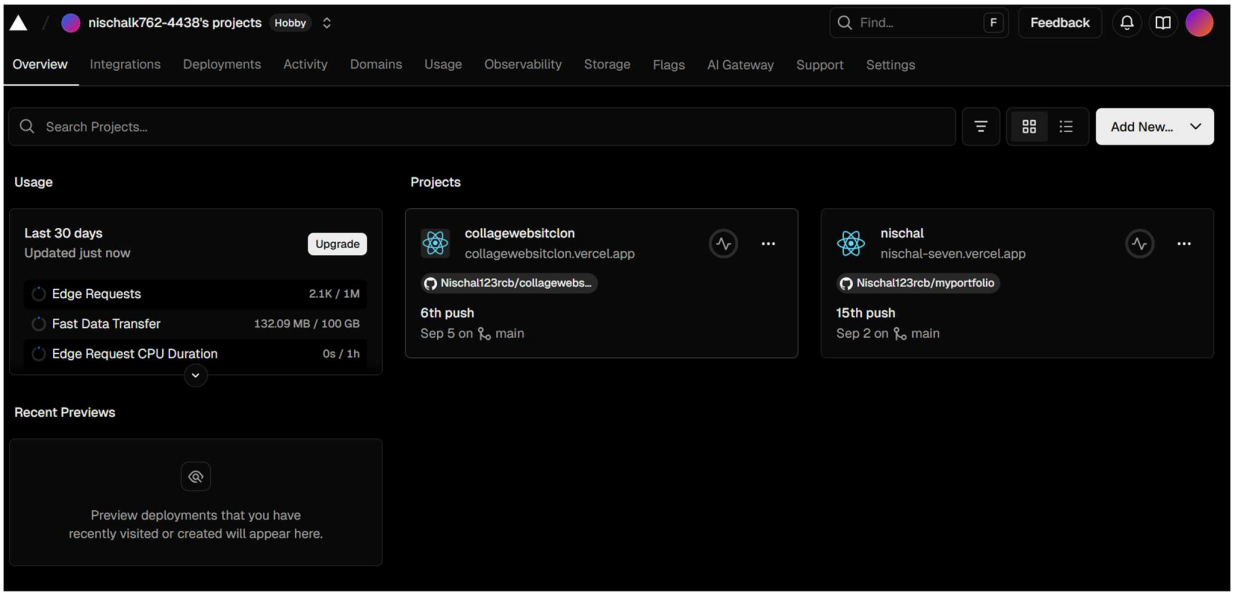


- Then enter the commands using the git commands
- After pushing to git verify once



Deployment:

- **Login to vercel in browser using email**
- **Then deploy the app importing the repository from git**
- **Then complete deployment**


nischalk762-4438's projects
Hobby
Find...
F
Feedback
Overview
Integrations
Deployments
Activity
Domains
Usage
Observability
Storage
Flags
AI Gateway
Support
Settings
Search Projects...
Add New...
Usage
Last 30 days
Updated just now
Upgrade
Edge Requests
2.1K / 1M
Fast Data Transfer
132.09 MB / 100 GB
Edge Request CPU Duration
0s / 1h
Projects
collagewebsitclon
collagewebsitclon.vercel.app
Nischal123rcb/collagewebs...
6th push
Sep 5 on main
nischal
nischal-seven.vercel.app
Nischal123rcb/myportfolio
15th push
Sep 2 on main
Recent Previews
Preview deployments that you have
recently visited or created will appear here.