CURSOR

INTRODUCTION

What is Cursor?

- AI-powered code editor
- Built on VS Code
- Uses AI to write, edit, and explain code
- Works with natural language prompts

Why Cursor for Beginners?

- Reduces fear of coding
- Helps understand logic
- Auto-completes code
- Fixes errors
- Great for beginners & rapid prototyping

Why Cursor Is Called an IDE
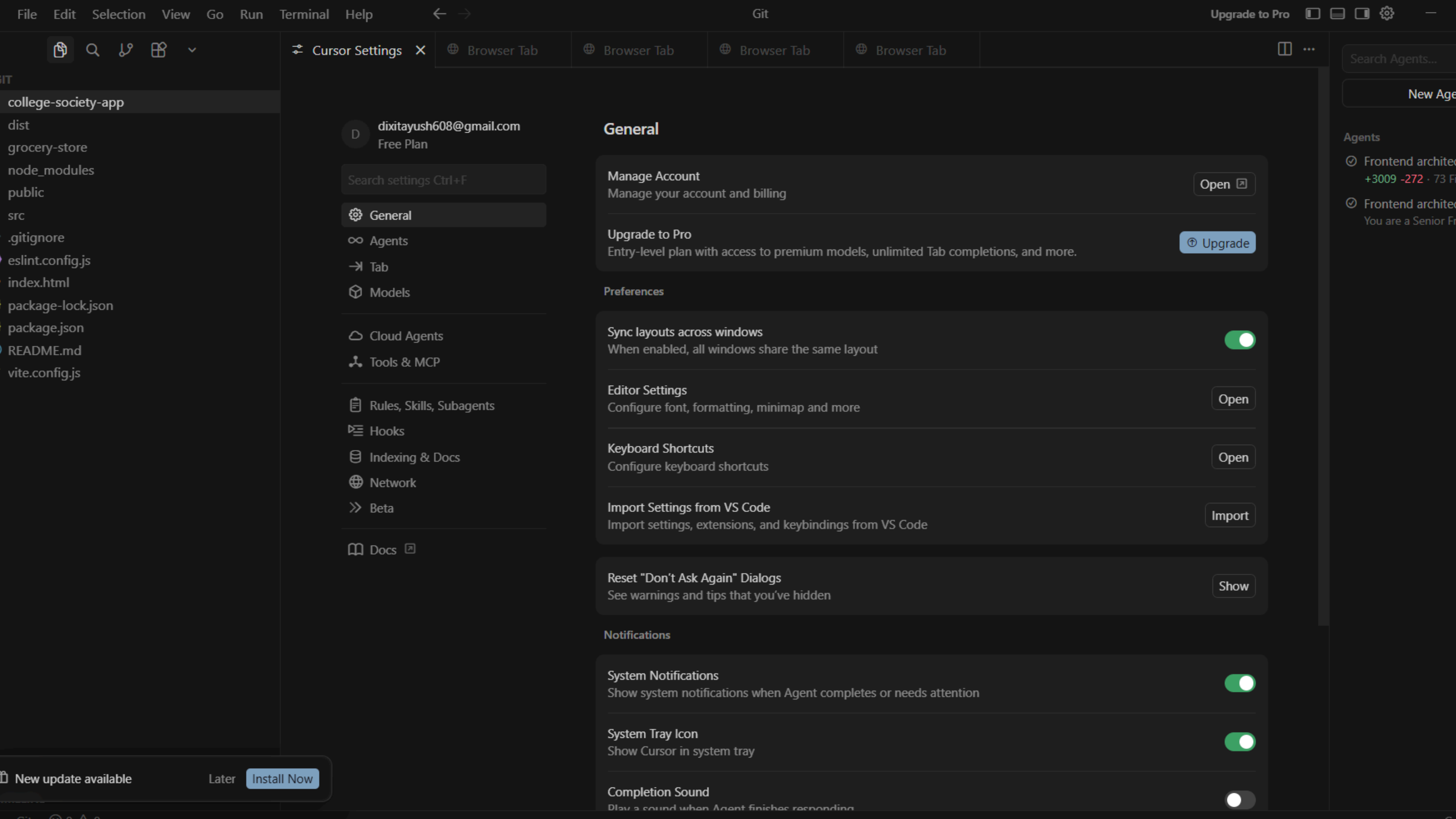
IDE = Integrated Development Environment

It is called "integrated" because it combines all essential development tools in one place:

- Code editor
- Terminal
- Debugger
- Version control (Git)
- Extensions
- Project/file explorer
- Build tools

Instead of using separate software for each task, everything is unified inside one application.

Cursor Interface Overview

- File Explorer
- Code Editor
- AI Chat Panel
- Terminal
- Extensions

Cursor Settings　　Browser Tab　　Browser Tab　　Browser Tab　　Browser Tab

GIT

college-society-app

dist

grocery-store

node_modules

public

src

.gitignore

eslint.config.js

index.html

package-lock.json

package.json

README.md

vite.config.js

New update available　　Later　Install Now

Search Agents...

New Age

Agents

Frontend archite
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Frontend archite
You are a Senior Fr

D　dixitayush608@gmail.com
Free Plan

Search settings Ctrl+F

⚙ General

∞ Agents

→ Tab

◻ Models

☁ Cloud Agents

⚒ Tools & MCP

▤ Rules, Skills, Subagents

▤ Hooks

▤ Indexing & Docs

⊕ Network

» Beta

▥ Docs

General

Manage Account
Manage your account and billing

Open ↗

Upgrade to Pro
Entry-level plan with access to premium models, unlimited Tab completions, and more.

Upgrade

Preferences

Sync layouts across windows
When enabled, all windows share the same layout

Editor Settings
Configure font, formatting, minimap and more

Open

Keyboard Shortcuts
Configure keyboard shortcuts

Open

Import Settings from VS Code
Import settings, extensions, and keybindings from VS Code

Import

Reset "Don't Ask Again" Dialogs
See warnings and tips that you've hidden

Show

Notifications

System Notifications
Show system notifications when Agent completes or needs attention

System Tray Icon
Show Cursor in system tray

Completion Sound
Play a sound when Agent finishes responding

What Are We Building?

A premium SaaS-style College Society Management System frontend with:

- Dashboard analytics
- Society management
- Event tracking
- AI recommendations
- Dark/light theme system
- Modern animated UI

Why This Project?

- Understand real-world frontend architecture
- Learn scalable folder structure
- Implement reusable component design
- Apply animations in production
- Learn state management using Context API

Tech Stack Overview

Core Framework
- React 18
- Vite (fast build tool)
- TypeScript (strict mode)

Real-World Relevance

This architecture is similar to:
- Admin dashboards
- SaaS analytics tools
- Startup management systems
- CRM platforms
- College ERP systems

Complete Flow: From Project → GitHub Upload (Node + Git Verified)

STEP 1: Check Node and Git Installation

Check Node
node -v

Check npm
npm -v

Check Git
git --version

If versions appear → installed correctly.
 If not → install before proceeding.

STEP 2: Go Inside Your Project Folder

cd path/to/your/project

Example:

cd Desktop/my-node-app

Check files:

ls

STEP 3:Initialize Node Project (If Needed)

npm init -y

- node -v
- git --version
- npm init -y
- git init
- git add .
- git commit -m "message"
- git remote add origin <repo-url>
- git push -u origin main

What is Vercel?

- Cloud platform for frontend & full-stack apps
- Best for: React, Next.js, Vite, Node APIs
- Automatic deployment from GitHub

Overview Integrations Deployments Activity Domains Usage Observability Storage Flags AI Gateway Sandboxes Agent Support Settings

Search Projects…

Add Ne

Experience the new navigation
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Try it out

Usage

Last 30 days Upgrade

Edge Requests 71 / 1M

Fast Data Transfer 3.32 MB / 100 GB

Fast Origin Transfer 0 / 10 GB

Edge Request CPU Duration 0 / 1h

Alerts

Get alerted for anomalies
Automatically monitor your projects
for anomalies and get notified.

Upgrade to Observability Plus

Projects

promptops-demo-vh3r
promptops-demo-vh3r.vercel.app

⬡ One1V/Promptops-demo

Add files via upload
9h ago on ⑂ main

ex-fr
ex-fr.vercel.app

⬡ One1V/Ex-fr

Add files via upload
Feb 6 on ⑂ main

ex-front
ex-front-azure.vercel.app

⬡ One1V/Ex-front

promptops-demo
promptops-demo.vercel.app

⬡ One1V/Promptops-demo

Add files via upload
9h ago on ⑂ main

ex-frontii
ex-frontii.vercel.app

⬡ One1V/Ex-front

No Production Deployment
Feb 6

ex-mstw
ex-mstw.vercel.app

⬡ One1V/Ex

Steps:

- Go to vercel.com
- Click Login → Continue with GitHub
- Click Add New Project
- Import your GitHub repository
- Click Deploy

Challenge