Scan to ask questions

CURSOR

RIYADH

Build your MVP with AI!

July 30, 2025

Cursor Riyadh

Our Partner

code
مـركــز ريــادة الأعــمــال الــرقــمــيــة
CENTER OF DIGITAL ENTREPRENEURSHIP

Hosting Partner

Agenda

6:00pm 🎯 **Introduction** 30 min

Choose partners, choose problems to solve

6:30pm 🚀 **BUILD TIME!** 2.5 hours

Build your MVP with AI tools - we're here to help!

9:00pm 🎤 **Presentations** 30 min

Show off your creations to the group

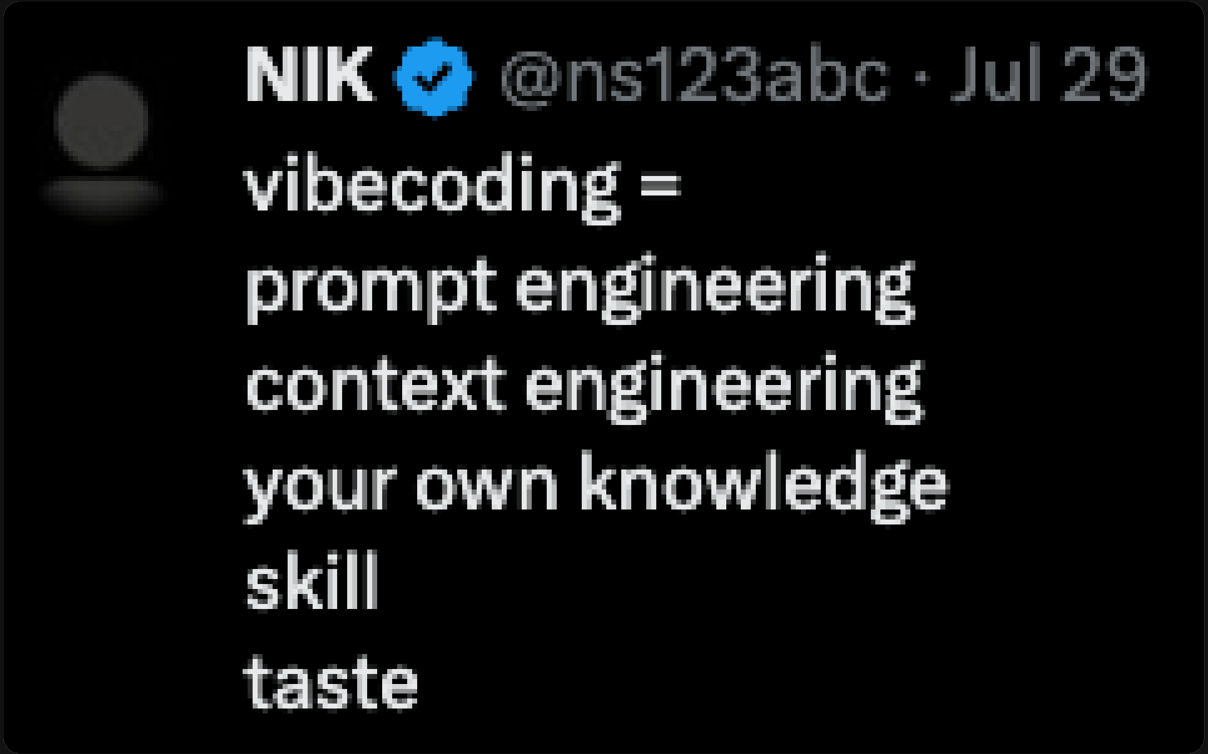
9:30pm 🎉 **Wrap Up**

Meetup Introduction

🎯

Setting the stage for our Cursor journey

What is vibe coding?



NIK @ns123abc · Jul 29

vibecoding =
prompt engineering
context engineering
your own knowledge
skill
taste

Mazen Alotaibi

AI Staff Engineer at deep.sa

Senior ML Engineer at Malaa Technologies

MSc AI and BSc CS from Oregon State University

2023 PyTorch Ambassador Award & Cursor Ambassador

Accelerating technology and AI development in 🇸🇦

ma7.dev | @ma7dev

Faris Hijazi

Data Science Lead Specialist at Thiqah

BSc CEng from King Fahd University of Petroleum and Minerals

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Cursor

Anysphere (parent company)

- $9B valuation (May 2025)
- $900M funding raised
- Fastest-growing AI startup

Cursor (the product)

- AI-native code editor
- Built on VS Code foundation
- ~1B lines of code generated daily

Why This Meetup?

🌍

Knowledge Sharing

Learning from global best practices

👥

Developer Community

Building a strong local AI development ecosystem

🚀

Innovation Hub

Positioning Riyadh as an AI development center

🇸🇦

Vision 2030

Aligning with Saudi Arabia's tech transformation

What to expect

In-person

- Talks by local experts
- Hands-on workshops
- Networking opportunities

On Discord

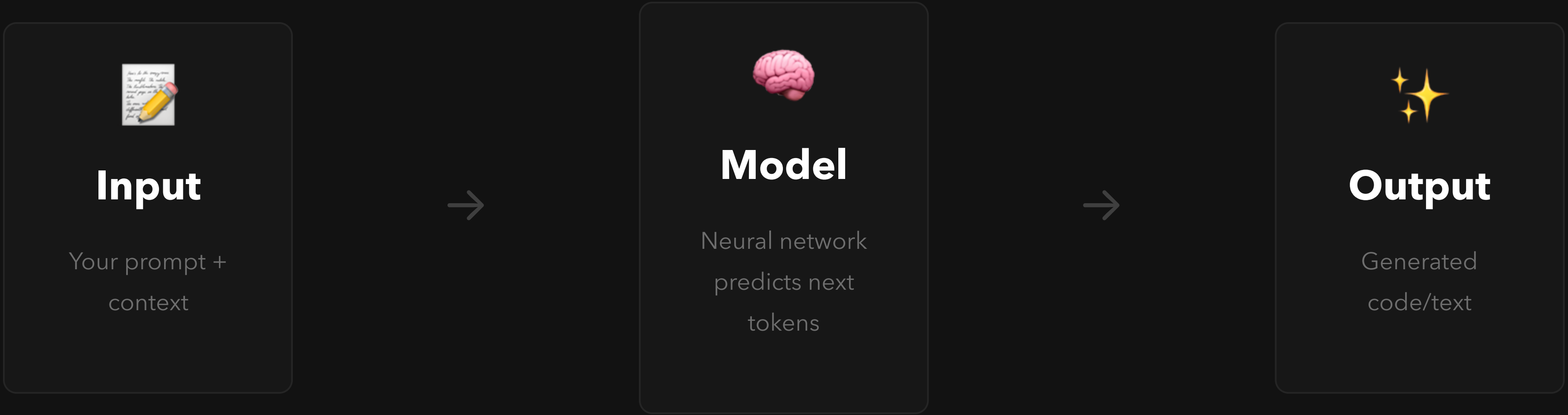
- Sharing knowledge, tips, and tricks
- Virtual hackathons (with prizes)
- Community discussions

Everything About Cursor

🔧

Deep dive into Cursor’s capabilities and practical usage

How LLMs Work (The Basics)



Input

Your prompt + context

→

Model

Neural network predicts next tokens

→

Output

Generated code/text

LLMs in Code Editors Made Simple

🎯 You Say:

"Make this button green"

👀 AI Sees:

Your code + files + request

🧠 AI Thinks:

"Based on patterns, this needs CSS changes"

✨ AI Delivers:

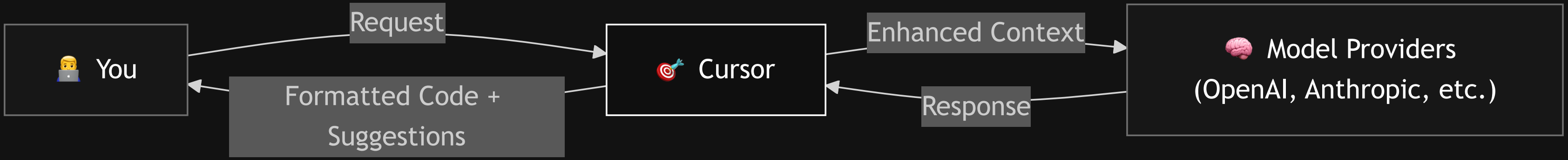
Updated code with green button

🔑 The Secret

Better Context = Better Results

- Include relevant files
- Describe your goal clearly
- Show error messages
- Provide examples when helpful

Cursor: The Smart Middle-Man



Core Cursor Features

⭐ Cursor Tab

Next-gen autocomplete

- Multi-line suggestions
- Cross-file awareness
- Fusion Tab Model

⌨️ CMD+K

Inline code magic

- Quick edits
- Natural language commands
- Instant refactoring

💬 Chat

AI coding partner

- Four powerful modes
- Contextual assistance
- Background agents

🤖 Agent Mode

- Autonomously learns codebase
- Makes codebase-wide changes
- Background processing
- Perfect for large refactors

🎯 Manual Mode

- Focused edits with your context
- Full control over AI visibility
- Perfect for sensitive code
- Precise, controlled assistance

❓ Ask Mode

- Get code explanations
- Plan new features
- Understand complex logic
- Educational and exploratory

⚙️ Custom Mode

- Create workflow-specific modes
- Tailor AI behavior to team needs
- Unlimited customization
- Enterprise-ready configurations

Chat Modes Deep Dive

Chat Modes by Autonomy vs Control

	Low Control	High Control
High Autonomy	Custom Mode	Agent Mode
Low Autonomy	Manual Mode	Ask Mode

Features

- 🎯 **Context Enhancements**: Smarter file and directory inclusion
- 📚 **Docs**: Enable AI to use human-readable documentation as context
- 🎯 **Rules**: Set up user-specific or project-specific rules to guide AI behavior
- 📝 **AI Commit Messages**: Intelligent git commit generation
- 💾 **Checkpoints**: Restore previous states easily
- 🔗 **Multi-Root Workspaces**: Manage multiple repositories with cross-folder indexing
- 🏗️ **Model Context Protocol (MCP)**: Interact with external tools
- 🔄 **Background Agent**: Parallel task execution for larger tasks (early preview)
- 🐛 **Bugbot**: Automated bug detection and fixing
- 📑 **PR Index**: Pull request analysis and management (Ultra plan)
- ⚡ **Enhanced Tab Model**: Multi-file edits, refactoring, and navigation
- 🎨 **Refreshed Inline Edit**: Improved CMD+K with new UI and options
- 🧠 **Max Mode**: Token-based pricing for complex tasks requiring extensive context
- and much more…

Live Demo

Cursor in action

Common Pitfalls to Avoid

1. ❌ **Vague requests** without sufficient context
2. ❌ **Ignoring error messages** and logs in your requests
3. ❌ **Not using project rules** to guide AI behavior
4. ❌ **Overwhelming AI** with irrelevant information
5. ❌ **Expecting perfection** on first try - iterate!
6. ❌ **Not exploring models** - each has its strengths

Best Practices & Tips

1. 🎯 **Context is King**: Provide clear, relevant context
2. 🔍 **Provide error messages**: AI can’t fix what it doesn’t know about
3. 📋 **Use Rules**: Set up project-specific guidelines
4. 🔍 **Leverage @ Symbols**: Be explicit about what you want
5. 🔄 **Iterate**: Start broad, then refine your requests
6. 🧪 **Experiment**: Try different models for different tasks

Pricing

🆓 Hobby

Free

💼 Pro

$20/month

➕ Pro+

$60/month

🚀 Ultra

$200/month

🏢 Teams

$40/user/month

Cursor for Students: Free for 1 year with academic email

Enterprise plans available with custom pricing | Source: Cursor.com, July 2025

Memory Bank & Advanced Usage

🧠

Using Cursor for everything - Demo by @ma7dev

This Section Has Two Parts

🧠 Memory Bank

Giving Cursor Agent the steering wheel
(vibe-coding)

🚀 Advanced Usage

Using Cursor for everything
(beyond coding)

What is Memory Bank?

🧠 Concept

- Inspired by Cline Memory Bank
- Gives LLMs more context to plan and act
- Human-readable AI contract
- Updates and evolves over time

🎯 Purpose

- Persistent project knowledge
- Context that survives sessions
- Intelligent task planning
- Continuous learning from progress

Memory Bank: Three Parts

⚙️

Setup

Define project foundation

🧠

Planning

Initialize & review progress

🚀

Execution

Implement & update

Part 1: Setup

⚙️ Foundation Building

📝 Define Project Description

- Project goals and objectives
- Technical requirements
- Architecture decisions
- Team conventions

🔄 Iterate & Refine

- Use Cursor Agent to help
- Refine based on feedback
- Update as project evolves
- Keep it human-readable

Part 2: Planning

🧠 Strategic Thinking

🤖 Model Choice

- **o3** (expensive but powerful)
- **Sonnet-4** (balanced option)
- Choose based on complexity

📋 Process

1. Initialize memory bank with Agent
2. Review memory bank content
3. Iterate & refine memory bank (especially progress)

Part 3: Execution **(Sonnet-4)**

1. Start Fresh

Always start with a new chat

2. Implement and interact w/ AI

- Start with progress context
- Review changes actively
- Interact with AI

3. Complete & Update

- Review git changes
- Take code ownership
- Update memory bank before next task

Live Demo

Memory Bank in Action

Using Cursor for Everything

💻 Development

- Code generation & refactoring
- Bug fixing & debugging
- Documentation writing
- Test creation

📝 Beyond Code

- Technical writing
- Architecture planning
- Code reviews
- Learning new technologies

🏢 Team Workflows

- Onboarding new developers
- Code style enforcement
- Knowledge sharing
- Project standardization

🚀 Advanced Usage

- Custom model integration
- Workflow automation
- Multi-project management
- Performance optimization

Next Steps & Resources

🚀 Try Cursor

Download and start your free trial

👥 Join Community

Discord, forums, local groups

📚 Learn More

docs.cursor.com for comprehensive guides

🔄 Future Meetups

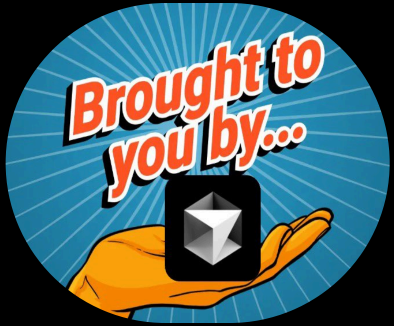
Monthly sessions with advanced topics

Thank You! 🙏

Let's Connect & Build Together

@ma7dev & @theefaris

Follow for more AI development insights



Networking Time! 🤝

Let's build the future together

Cursor Official

Cursor Meetup Riyadh