

NextGen IDE~

For MoonHacks Hackathon

Team: Sujal Jain, Samyak Jain & Ayush Singh



Introduction

- **Problem Statement** Bridging the communication gap in remote coding teams and enabling seamless audio and video communication.
- **Importance** Effective communication is crucial for remote teams to collaborate efficiently and produce high-quality code. Our solution aims to enhance collaboration, productivity, and the overall coding experience.

Elevate Your Coding Experience

Solution: NextGen provides a comprehensive coding environment with a range of features:

1

Live Interactive Environment

Code in real-time with our interactive environment, where you can instantly see the results of your work.

2

Seamless Collaboration

Effortlessly communicate with your team through built-in audio and video, empowering seamless remote collaboration.

3

Multi-Language Flexibility

Our IDE supports a wide range of programming languages, empowering you to code in your language of choice.

4

Real-Time Performance Insights

Gain instant visibility into your code's memory and time consumption, as well as its compilation status.

5

Shareable Code Links

Share your code with others through shareable links, enabling seamless collaboration and feedback.

6

Downloadable Snippets

Save and share your code snippets for offline use or to incorporate into projects outside the IDE.

7

Customizable Themes

Personalize your coding environment with a wide range of customizable themes to suit your style and preferences.

Technology Stack

- React JS
- HTML
- Tailwind CSS
- Web-vitals
- TypeScript
- React-Toastify
- Node.js
- Monaco Themes
- APIs
- WebSocket
- Simple-peer
- Jest

How to use:

1

Step 1: Open the web-application

Visit our website by clicking the following link.



next-gen-ide.vercel.app



NextGen I...

A react based code editor that lets you compile and execute 10+ programming languages.

2

Step 2: Project Setup

Choose a programming language & theme of your choice.

3

Step 3: Coding

Write your code using the powerful web-based editor.

4

Step 4: Testing and Debugging

Use the built-in tools to test and debug your code in real-time.

5

Step 5: Collaboration

Collaborate with team members by sharing projects and working together in real-time.

6

Step 6: Save your project



Conclusion: The Future of Coding

Our comprehensive IDE is at the forefront of coding innovation, empowering developers with a suite of cutting-edge features that redefine the coding experience. Embrace the future of coding and unlock your full potential with our state-of-the-art integrated development environment.