SRIJAN 2K19

- Software Innovative Model

Project Name : CoYoTa

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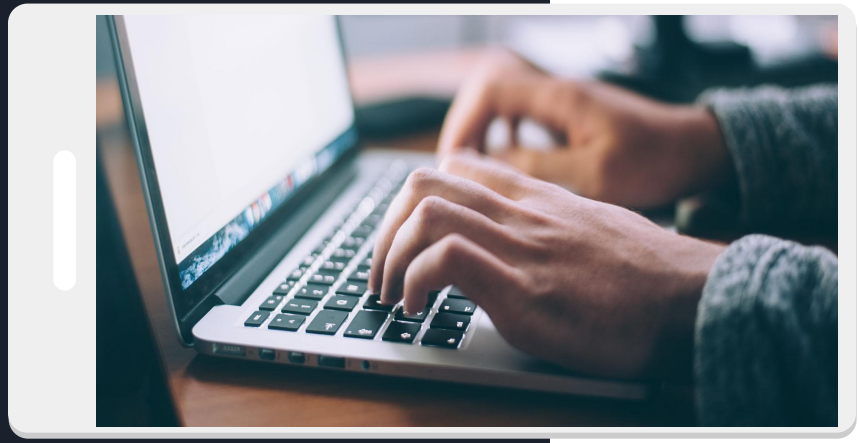
Introduction :



Few Questions

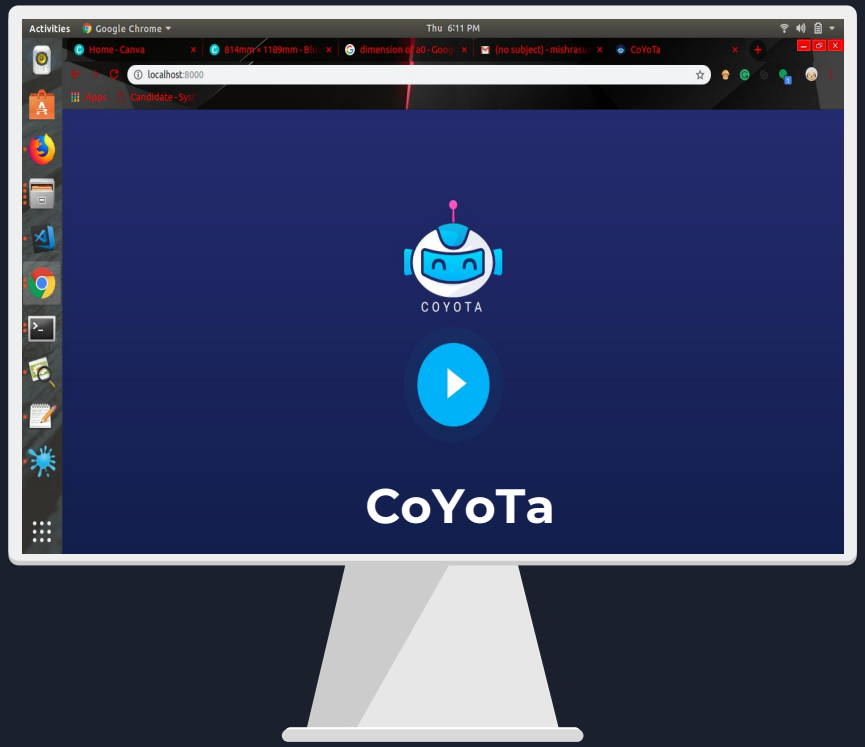
- What if specially-abled people could code without using their hands?
- Can people with injuries to their hands, or muscular dystrophy patients, code?
- Can you code without using mouse and keyboard ?

Yes, you heard it right.

Code while You Talk

CoYoTa

Code while You Talk



What is CoYota ?:

- Code while You Talk
- Harnessing the power of AI, and in order to put away all the difficulties in coding world, we present you, CoYoTa.
- CoYoTa is an AI-based code editor that allows you to code in parallel in JavaScript and Python just by conversing with it.
- Gone are the days of Scratch, kid can simply speak to CoYoTa and it will show you how things are supposed to be. It helps learn programming the AI, way.
- CoYoTo is for computer engineers and by the computer engineers.
- Panic, Depression?? Let’s try COYOTA then.

Why is there a need of CoYoTa ?

- RSI (Repetitive Strain Injury).
- Carpal Tunnel Syndrome.
- Rotator cuff.
- Various nerve issues.
- Numb fingers.
- Many more..

How CoYoTa Solves the problem ?

01 Turn on the mic of your device i.e. your PC or your Laptop

02 Just say whatever you want to do in your code editor. For example : If you want to have a for loop then just say “create a for loop with 10 counts” and CoYoTo will do the rest for you. Isn’t it very simple?

03 When you are done with the coding part then just say “JavaScript Run” or “Python Run” and CoYoTo will serve the output.

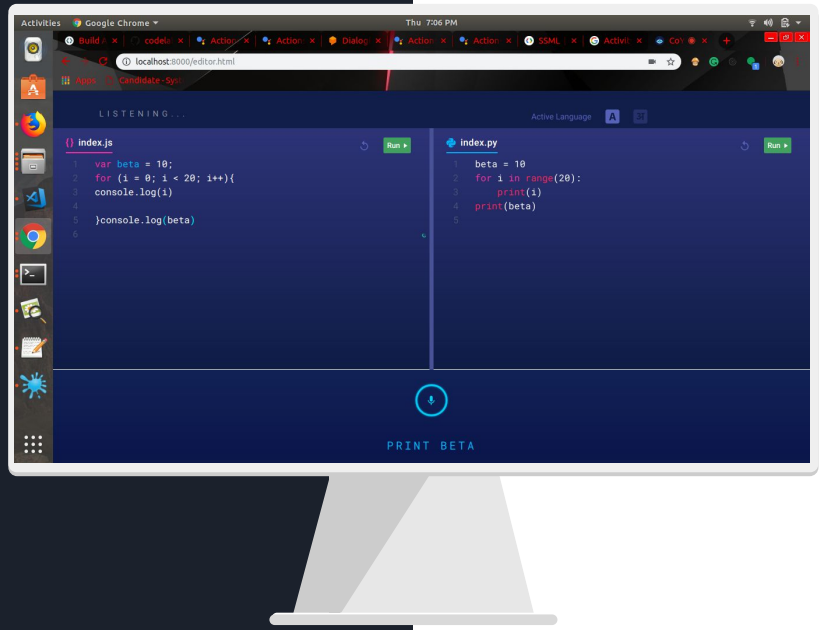
Features at a Glance

01 | Code in Natural Language

02 | Obtain parallel clean code in JS and Python

03 | Navigate through the code just by voice

Looking for Voice to Code ? Hold On, we have something more for you. (Bonus)



04 | Easy toggle between the languages

05 | Supports English as well as Hindi

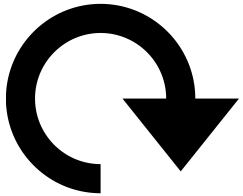
06 | Support of Emacs and Vim key bindings

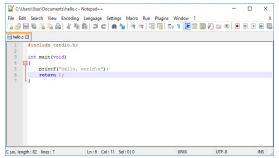
Feeling Bored ? Let’s have a quick demo

CoYoTa

Technology Stack

- Natural Language Processing (Bravey)
- Node.js
- Flask





Future Scope

- More functionalities such as classes, objects, etc. are to be added.
- The project will be completed over 1 month.
- The project will have more datasets, hence accuracy will get increase.
- The project will be made simpler by training it with more natural voice commands.
- People who cannot speak clearly can also use it.
- Languages other than JavaScript and Python, will be added.
- Native languages like Marathi, Bengali etc. will also be added.

Any Questions ?

Thank You!

- CodyVenom