

The background is a dark blue gradient with a subtle pattern of white dots. Overlaid on the left side are several concentric circles and arcs in a lighter blue color. Some of these arcs have degree markings, such as 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, and 260. There are also small white arrows pointing in various directions, suggesting a sense of rotation or movement.

# GETTING STARTED WITH HUGO

Aju Tamang

/Speaker/Aju Tamang/Sagarmatha Tech Talks/Who am I ?

## My Info

- First semester CS student
- Open source developer

## Primary research and learning area

- CS theory (Data Structure and Algorithms, AI)
- Version Control and JAMStack technologies

## Blog

- <https://www.CSaju.com>



# EXPECTATIONS

## You can expect

- Hugo Basic
- Build project and deploy on server
- Tech Trends
- Learning curve
- Tips



The logo features the word 'HUGO' in a bold, white, sans-serif font, centered within a magenta hexagonal frame. The frame has a thick magenta border and a slightly darker magenta inner area. Two thin white horizontal lines are positioned above and below the text. The background is a dark blue gradient with faint, light blue circular patterns and a dotted grid. 

# HUGO

A Fast & Modern Static Website Engine

# HUGO

- Static site generator
- Probably fastest framework powered by Go lang
- Support Markdown
- Use Go templates
- Single binary CLI tool with no dependencies.

# ALTERNATIVES AND SIMILAR

- Jekyll
- WordPress
- Gatsby JS
- Pelican
- Many more



# WHY HUGO

- Cheap and easy for startup
- Performance
- Free Hosting on GitHub Pages with custom domain
- Awesome documentation
- Integrate with Disqus
- Active Open source community



# INSTALL HUGO

For Mac & Linux Distro

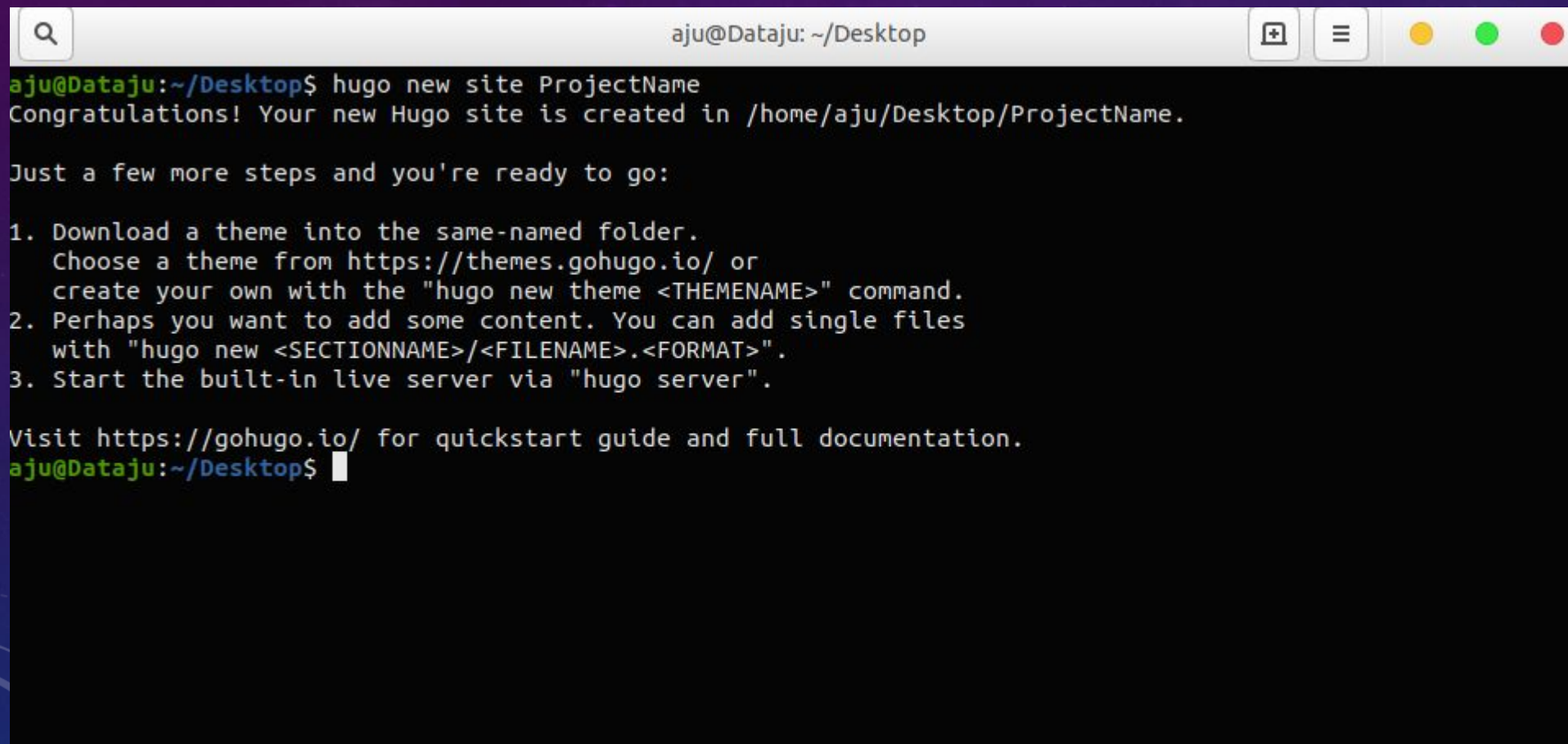
```
brew install hugo
```

For Windows

```
choco install hugo -confirm
```



# CREATE SITE

A terminal window with a title bar that reads 'aju@Dataju: ~/Desktop'. The window contains text from the Hugo CLI. The first line shows the command 'hugo new site ProjectName' and a confirmation message. The second line says 'Just a few more steps and you're ready to go:'. The third line is a numbered list of three steps: 1. Download a theme, 2. Add content, and 3. Start the live server. The fourth line is a link to the Hugo documentation. The fifth line shows the prompt 'aju@Dataju:~/Desktop\$' with a cursor.

```
aju@Dataju:~/Desktop$ hugo new site ProjectName
Congratulations! Your new Hugo site is created in /home/aju/Desktop/ProjectName.

Just a few more steps and you're ready to go:

1. Download a theme into the same-named folder.
   Choose a theme from https://themes.gohugo.io/ or
   create your own with the "hugo new theme <THEMENAME>" command.
2. Perhaps you want to add some content. You can add single files
   with "hugo new <SECTIONNAME>/<FILENAME>.<FORMAT>".
3. Start the built-in live server via "hugo server".

Visit https://gohugo.io/ for quickstart guide and full documentation.
aju@Dataju:~/Desktop$
```

# HUGO SITE STRUCTURE

- > archetypes
- > content
- > data
- > layouts
- > resources
- > static
- > themes
- ⚙ config.toml

# CONFIGURING FILE

⚙️ *config.toml* ✕

⚙️ config.toml

```
1  # Main config file for icon theme.  
2  theme = "hugo-icon"  
3  baseURL = "https://aju100.github.io/2k76/"  
4  languageCode = "en-AU"  
5  title = "2k76 CSIT"  
6  logo = "favicon.jpeg"  
7
```

# RUN PROJECT ON LOCAL MACHINE

```
aju@Dataju:~/Desktop/ProjectName$ hugo server -D
Building sites ... WARN 2019/11/08 09:32:17 found no layout file for "HTML" for "home": You should create a template file which matches Hugo Layouts Lookup Rules for this combination.
WARN 2019/11/08 09:32:17 found no layout file for "HTML" for "taxonomyTerm": You should create a template file which matches Hugo Layouts Lookup Rules for this combination.
WARN 2019/11/08 09:32:17 found no layout file for "HTML" for "taxonomyTerm": You should create a template file which matches Hugo Layouts Lookup Rules for this combination.

+-----+ | EN
| Pages      | 3
| Paginator  | 0
| Non-page   | 0
| Static     | 0
| Processed  | 0
| Aliases    | 0
| Sitemaps   | 1
| Cleaned    | 0
+-----+

Total in 14 ms
Watching for changes in /home/aju/Desktop/ProjectName/{archetypes,content,data,layouts,static}
Watching for config changes in /home/aju/Desktop/ProjectName/config.toml
Environment: "development"
Serving pages from memory
Running in Fast Render Mode. For full rebuilds on change: hugo server --disableFastRender
Web Server is available at http://localhost:1313/ (bind address 127.0.0.1)
Press Ctrl+C to stop
```



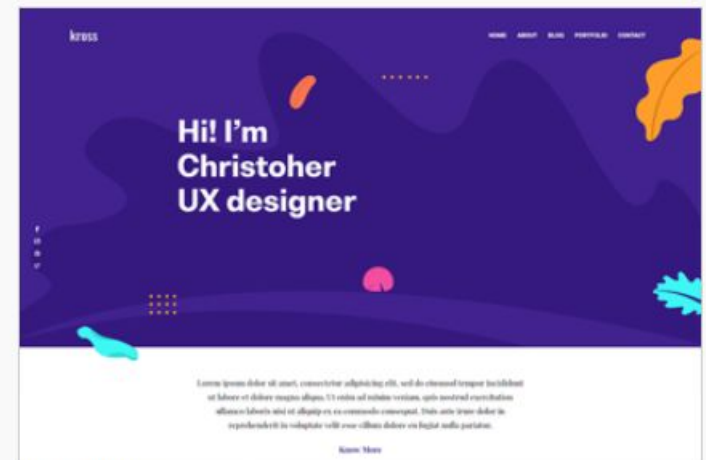
# HUGO THEMES

To install theme

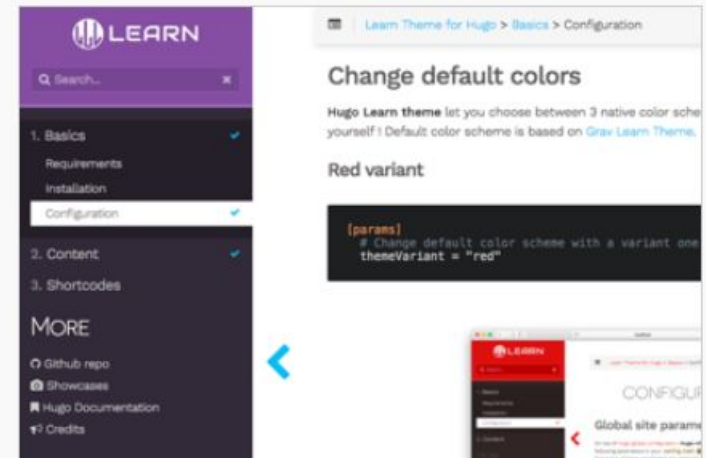
git submodule <https://link> themes/nameOfTheme

Activate theme in your site

Go to theme folder, copy the config.toml of examplesite to root directory and edit it.



Kross Hugo



Learn

# THEME STRUCTURE

```
✓ themes
  ✓ ga-hugo-theme
    > archetypes
  ✓ layouts
    ✓ _default
      <> list.html
      <> single.html
    ✓ partials
      <> footer.html
      <> header.html
    <> 404.html
  ⚡ LICENSE.md
  ⓘ README.md
  ⚙ theme.toml
```

# CREATE BLOG POST



aju@Dataju: ~/Desktop/first\_site

aju@Dataju: ~/Desktop



aju@Dataju: ~/Desktop/first\_site



```
aju@Dataju:~/Desktop/first_site$ hugo new first.md
/home/aju/Desktop/first_site/content/first.md created
aju@Dataju:~/Desktop/first_site$
```



## EXPLORER

### OPEN EDITORS

× first.md content

### FIRST\_SITE

> .vscode

> archetypes

✓ content

first.md

> data

> layouts

> resources

> static

> themes

⚙ config.toml



5K+



> OUTLINE

first.md ×

content > first.md

```
1 ---
2 title: "First"
3 date: 2019-11-11T15:58:13+05:45
4 draft: true
5 ---
6
7
```



# WHAT IF WE DO THIS ?

```
aju@Dataju: ~/Desktop x aju@Dataju: ~/Desktop/fir... x aju@Dataju: ~/Desktop/fir... x
aju@Dataju:~/Desktop/first_site$ hugo new first.md
/home/aju/Desktop/first_site/content/first.md created
aju@Dataju:~/Desktop/first_site$ hugo new coding/second.md
/home/aju/Desktop/first_site/content/coding/second.md created
aju@Dataju:~/Desktop/first_site$ ls
archetypes  config.toml  content  data  layouts  resources  static  themes
aju@Dataju:~/Desktop/first_site$
```

# List Template - Home

[Codings](#)

Monday, Nov 11, 2019

[First](#)

Monday, Nov 11, 2019

This is a first page.

# Getting bore, right?

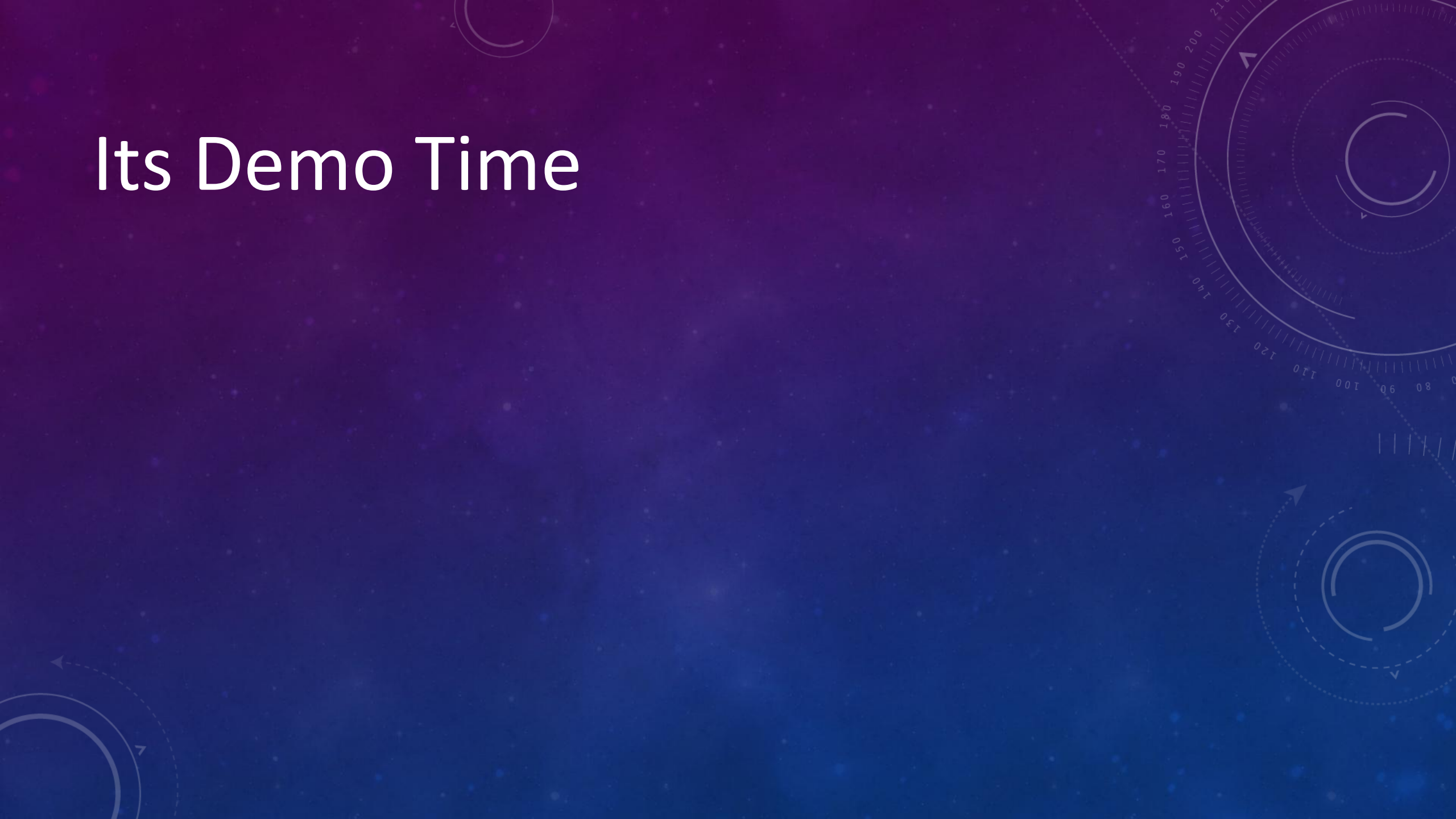


Theory



Practical

# Its Demo Time





# HOSTING & DEPLOYMENT

- AWS
- Azure
- Netlify
- GitHub
- Bitbucket
- Gitlab
- Many more

# MY RECENT PROJECTS

- Portfolio site ([www.aju.github.io](http://www.aju.github.io))
- Small local tech community ([www.csit2k76.com](http://www.csit2k76.com))

*“Building project is not big deal, making it in a large scale is a big deal.”*

# FURTHER READING !!!

## Links

<https://golang.org/>

<https://gohugo.io/>

<https://github.com/budparr/awesome-hugo>

## Books

GO: GO Programming Language, 2019 Edition

**Working with Static Sites: Bringing the Power of Simplicity to Modern Sites**

## Follow on twitter

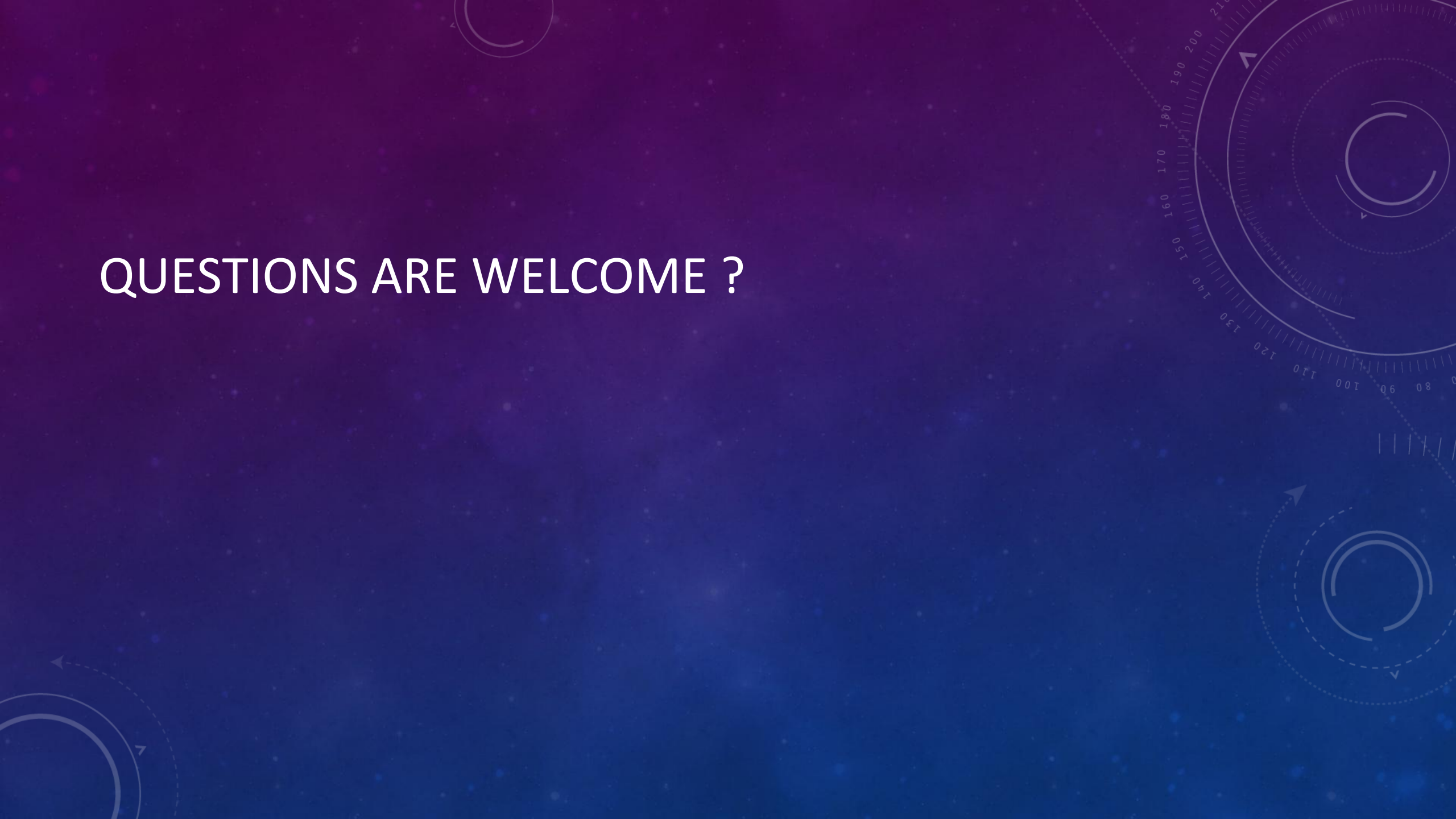
<https://twitter.com/GoHugoIO>

<https://twitter.com/golang>

<https://twitter.com/bepsays>

<https://twitter.com/spf13>

QUESTIONS ARE WELCOME ?





THANK YOU ALL OF YOU  
AND  
SAGARMATHA COLLEGE