

# Python Bootcamp

**Week 4, Day 3**

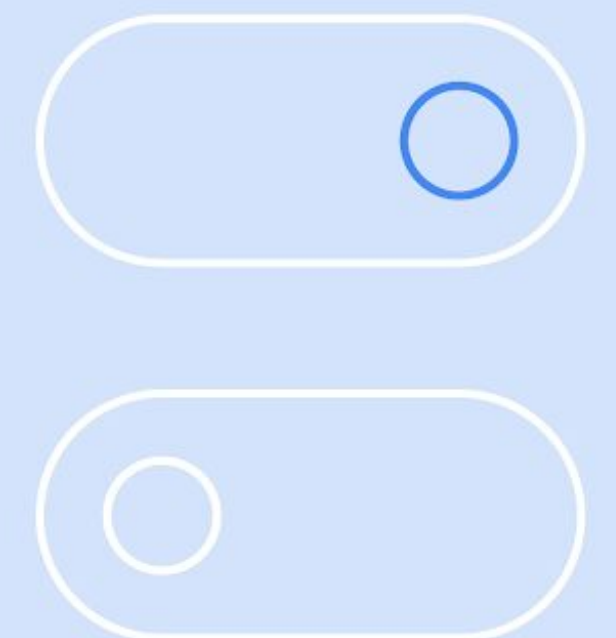
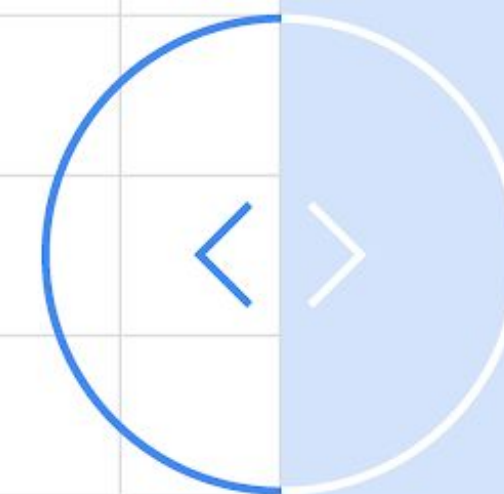
And so it ends.. or *begins*.



**Tarun Kumar**  
*Lead Instructor*  
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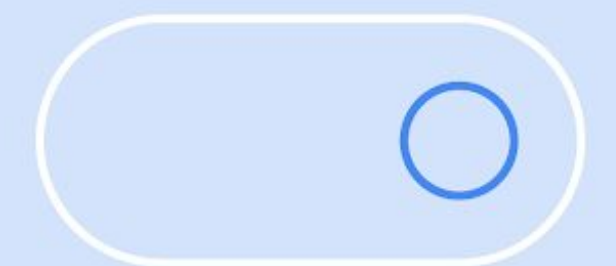
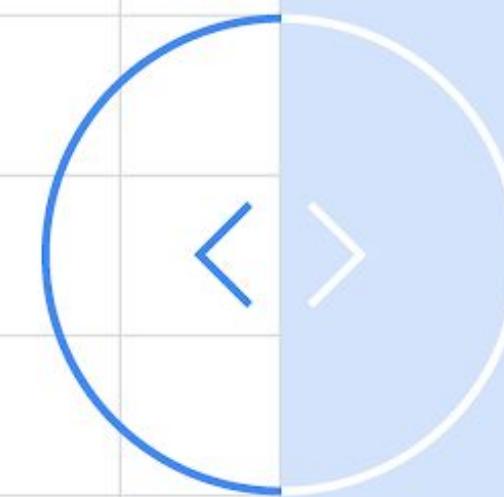
**Bahawal Baloch**  
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## Developer Student Clubs



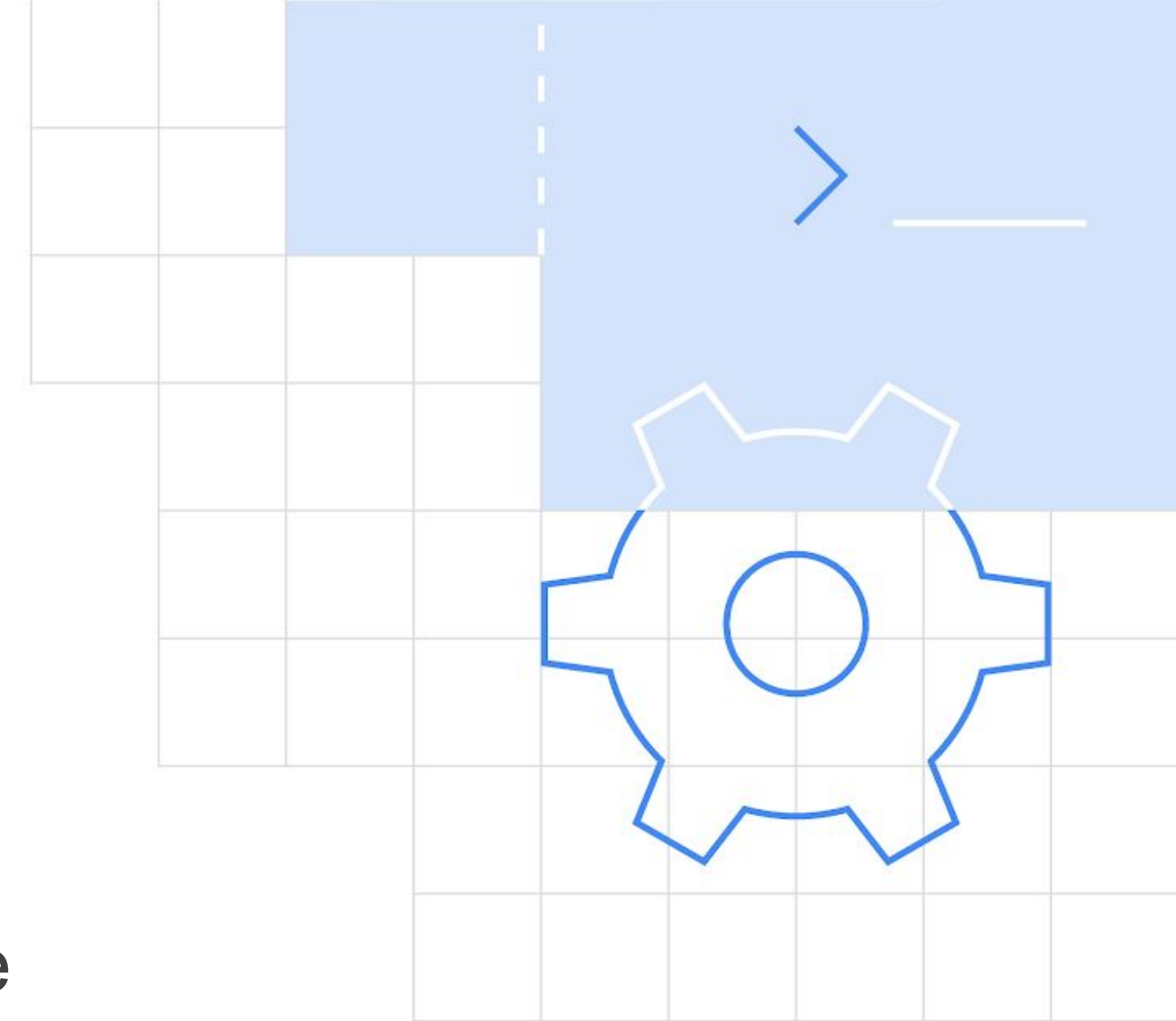
Google Developers



# What our **vision** promised:

- Instill importance of perpetual skill learning
- Create open-source contributors and skilled Python freelancers
- Showing the power of Python in automating workflows and operations
- An effort for students, from students
- A personal goal to platform aspiring programmers who lack toolset knowledge

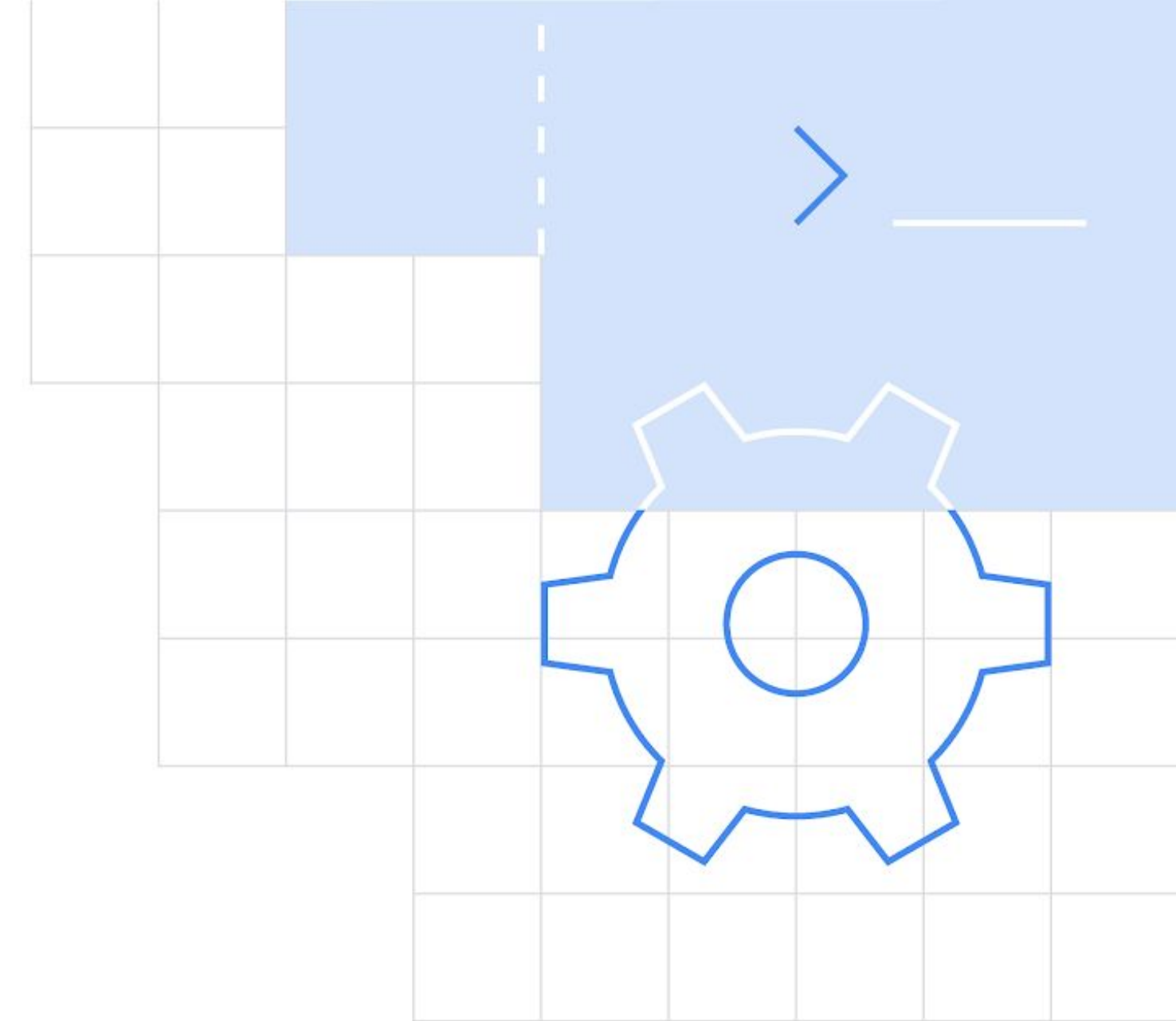
Without having to ***pay anything***, except their interest and dedication.





# The *journey* so far

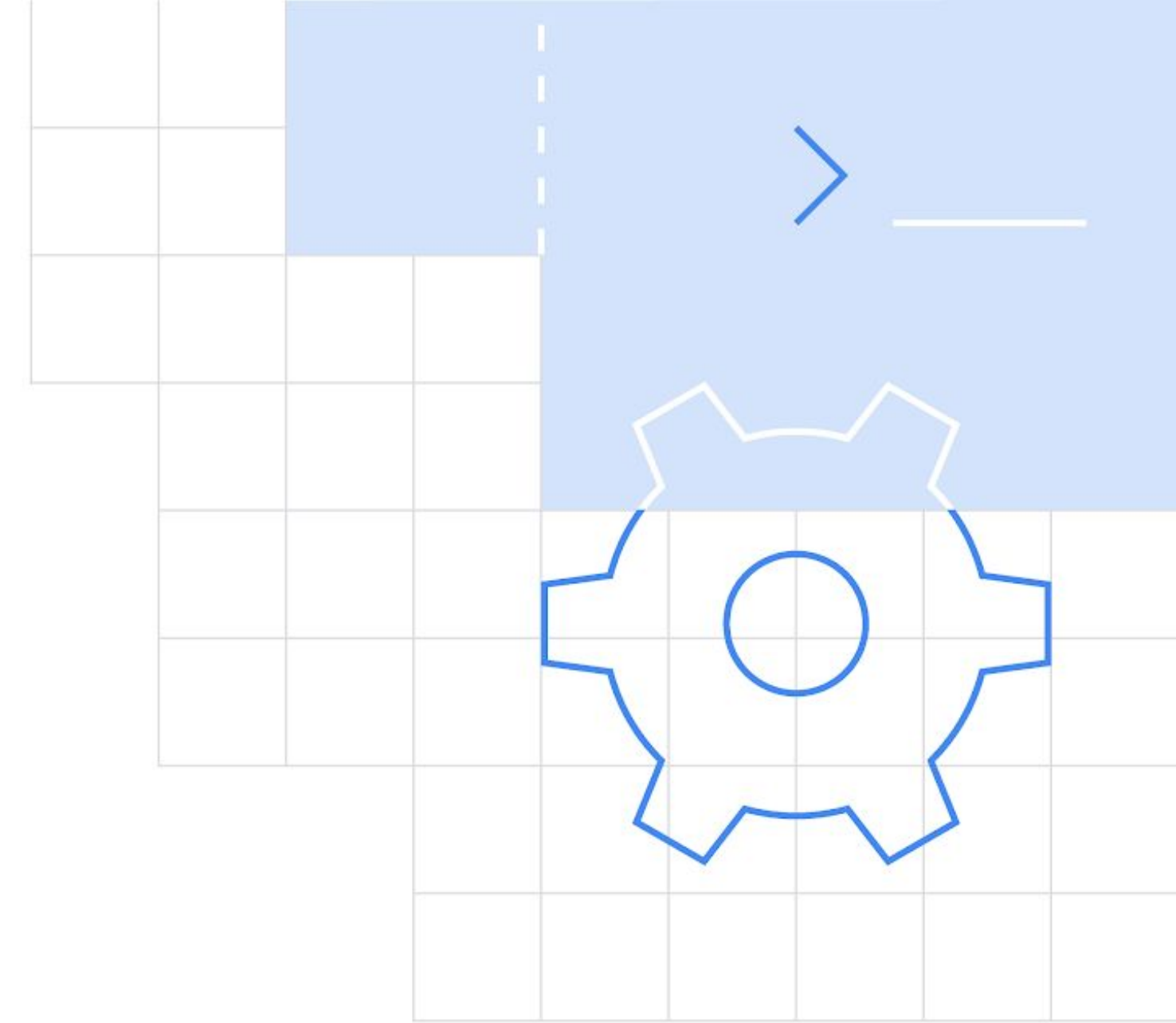
- **Week 1:** (December 4-6)
  - Python basics
- **Week 2:** (December 11-13)
  - Filing, HTTP requests and Web scraping
- **Week 3:** (December 18-20)
  - Web automation bots with Selenium
- **Week 4:** (December 25-27)
  - Desktop apps with PyQt5 (Shakeeb Siddiqui)
  - Web apps with Flask (Taha Khan)
  - The endgame and road ahead



# The *journey* ahead

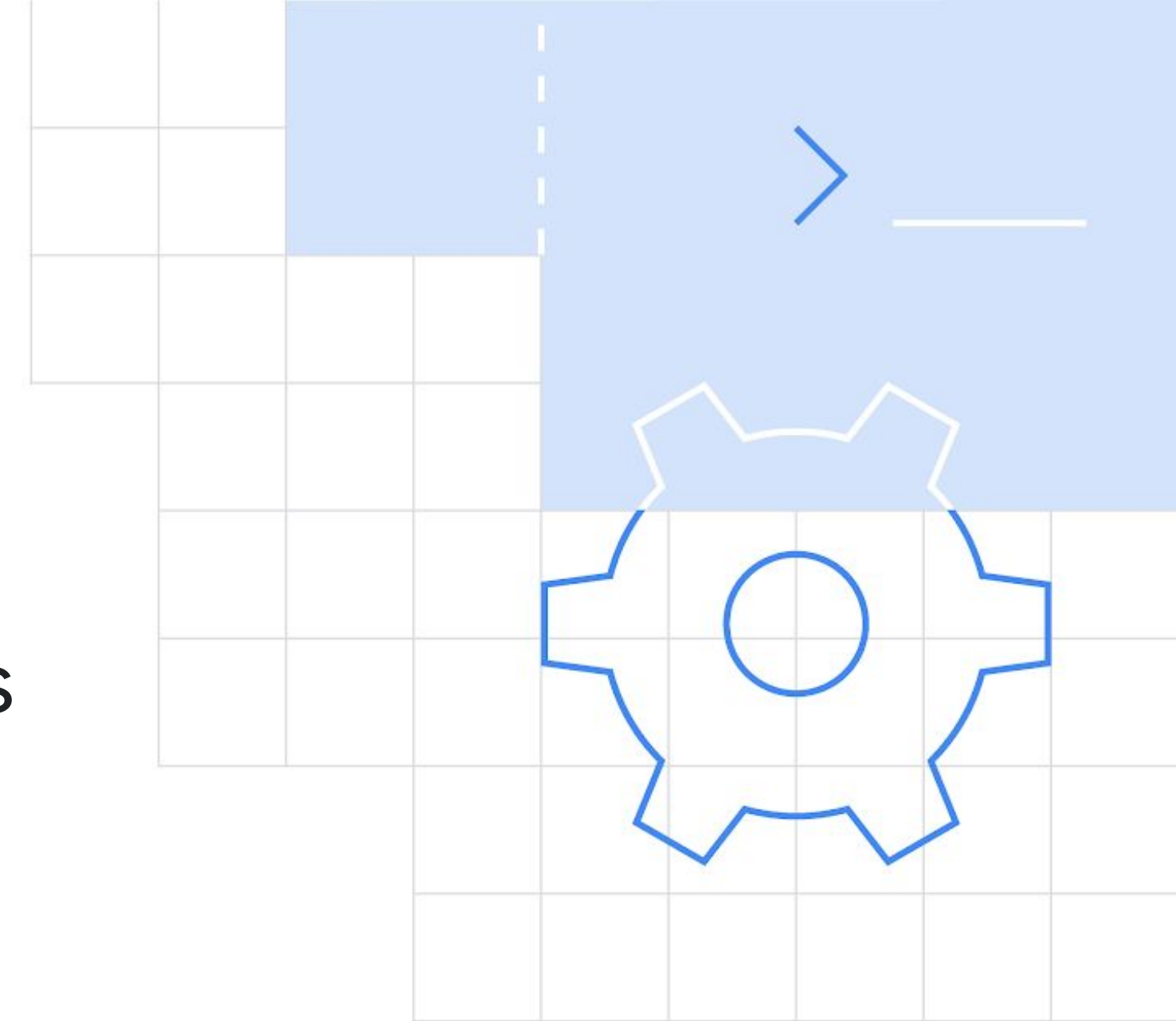
- **Week 1: Python basics**

- Understand Python scripts available on public repos like *GitHub*
- Read, understand and perhaps even answer questions on [Stackoverflow](#)
- Refine your programming skills on [HackerRank](#), [HackerEarth](#) and [CodeChef](#) etc
- Pick up even the hardest domain and try to work on it using Python, e.g graphs, bioinformatics, artificial intelligence, geoinformatics



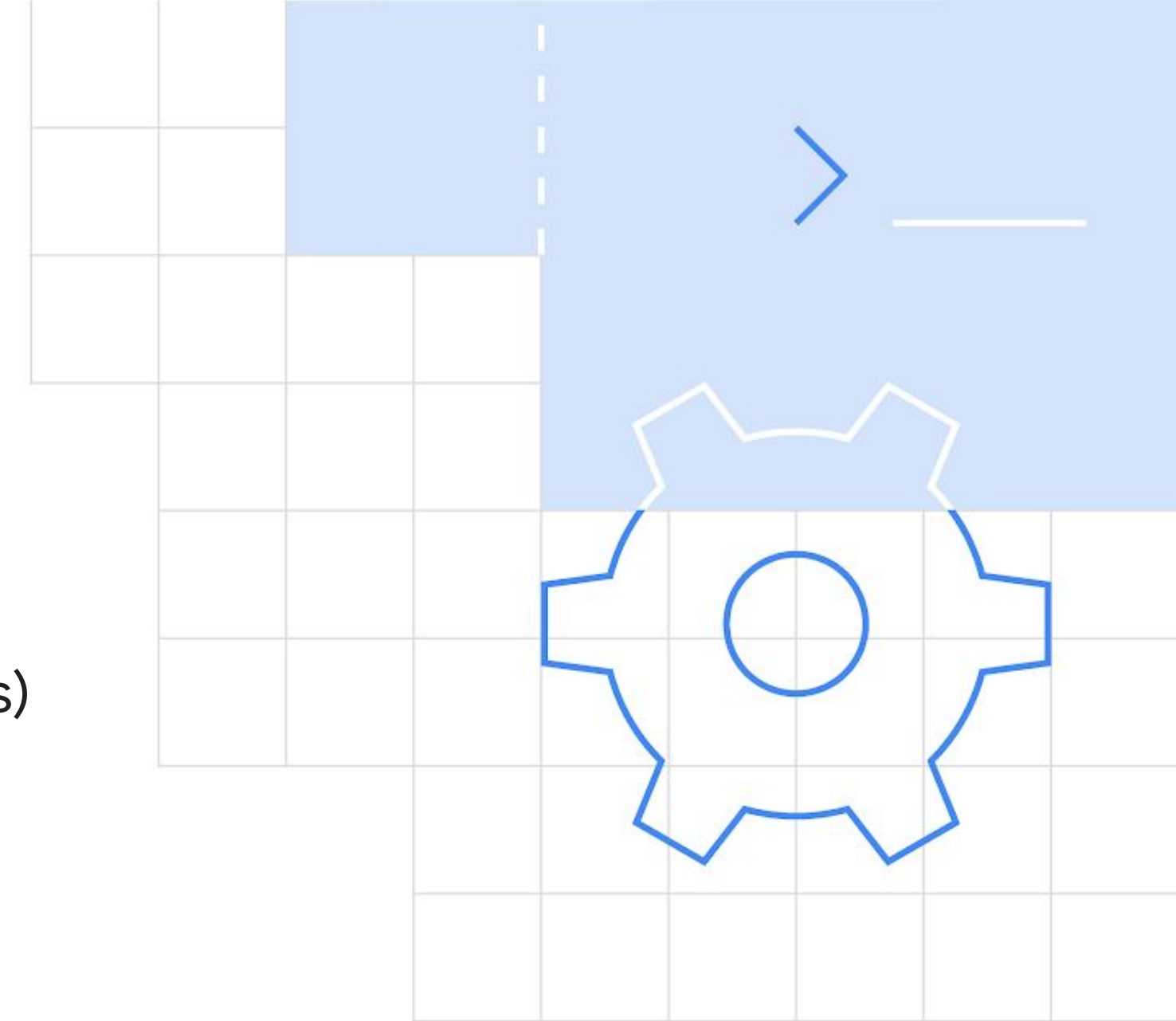
# The **journey** ahead

- **Week 2: Filing, HTTP requests and Web scraping**
  - Implement config files, script progress caches, environment files and flat file databases.
  - Start web scraping services/gigs on [Fiverr](#), Upwork
  - Study how different websites implement their front-end tech.
  - By practicing bot activity, you can secure your website knowing the ins and outs.



# The **journey** ahead

- **Week 3: Web automation bots with Selenium**
  - [Scalping bots](#) to purchase stuff for you (not that we encourage such practices)
  - Provide web automation bots, crawlers on [Fiverr](#), [Upwork](#)
  - Look into hurdles like captchas and how they may be solved
  - Get into SQA Automation.
  - Automate tasks like OTP input, SEO, Trading bots, WhatsApp bots etc.

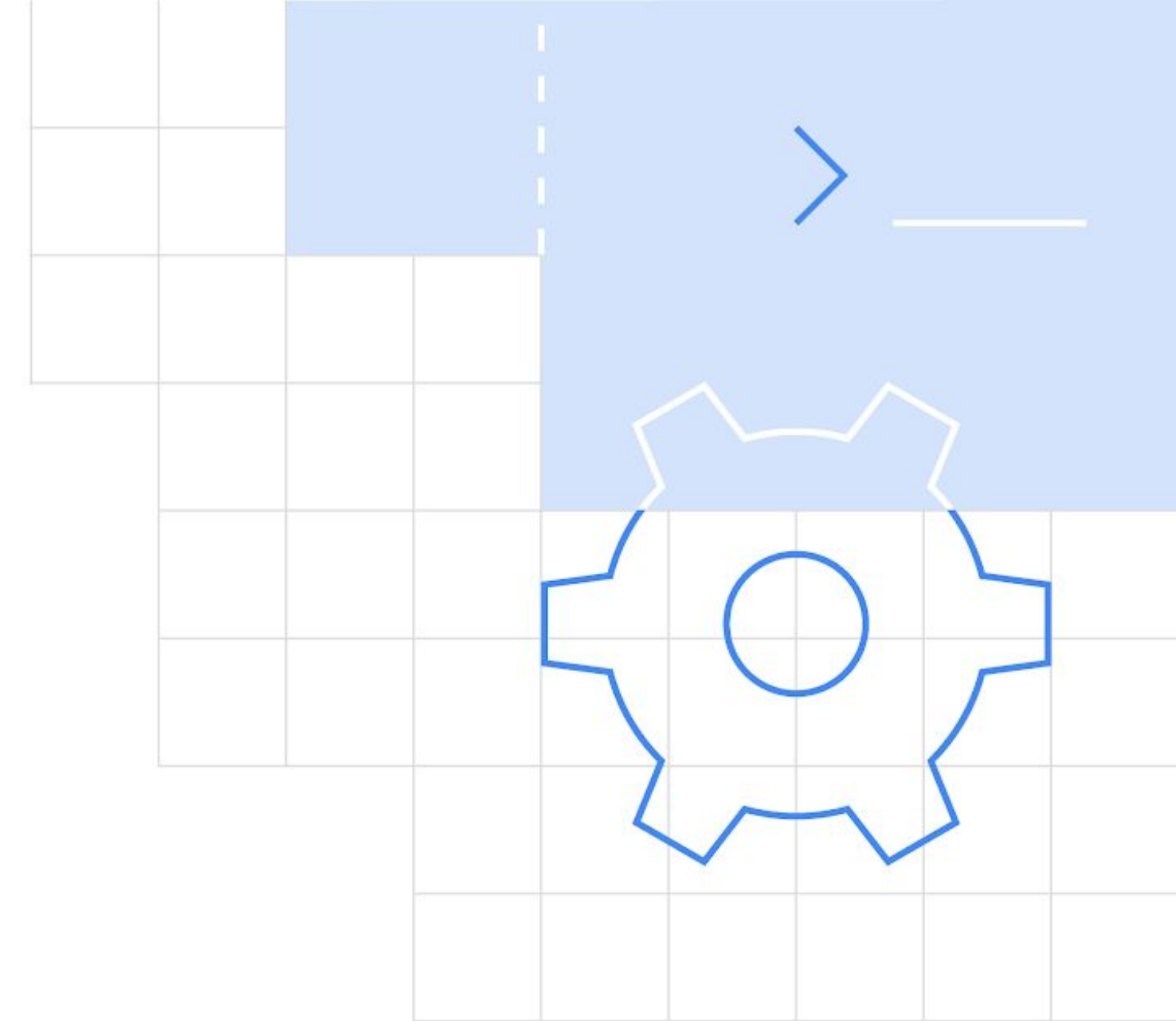




# The *journey* ahead

- **Week 4: PyQt5, Flask**

- Create front-ends for your Python scripts
- Explore ways to make your scripts work seamlessly with a GUI
- Develop your own web apps e.g (to do lists, e-commerce etc)
- Look into free tier solutions like PythonAnywhere or Heroku to deploy your web applications and scripts for remote cloud execution.





# Thanks to the team

- Syed Ateeq
- Amina Kazim
- Nimra Nasir
- Muskan Halani
- Sarah Nasir
- Shifali Kalra
- Abeer Shaikh
- Ali Shan

They worked around the clock to develop content, host the events and manage the external affairs with the partnered DSC clubs.

# Thanks to the *Man*, the *Myth*, the *Legend*

## Lord Abdul Rauf Bughio

- Working on the whole graphic design.
- Manually editing the videos.
- Maintaining the Youtube channel.
- Creating that awesome intro video.
- Always there 100% of the time.



# Thanks to the *Man*, the *Myth*, the *Legend*

## Lord Abdul Rauf Bughio

Go support his creative and funny content:

- [YT Channel \(Abbay Ooo Films\)](#)
- [FB Page \(Abbay Ooo\)](#)





# Special thanks to the...

A promotional banner for a Python Bootcamp. The background is blue with yellow and red abstract shapes. The title 'Guest Speakers' is at the top in white. Below it, the event details 'Desktop GUIs with PyQt5' and '25<sup>th</sup> December 2020' are on the left, and 'Web apps with Flask' and '26<sup>th</sup> December 2020' are on the right. In the center, there's a logo of two white arrows pointing left and right, followed by 'Developer Student Clubs' and 'DHA Suffa University'. The main title 'Python Bootcamp' is in large white letters. On the left, a portrait of Shakeeb Siddiqui is shown with his name below it. On the right, a portrait of Taha Khan is shown with his name below it. Decorative elements include a red star-like shape on the left and a yellow star-like shape on the right.

## Guest Speakers

Desktop GUIs with PyQt5  
25<sup>th</sup> December 2020

Web apps with Flask  
26<sup>th</sup> December 2020

<>  
Developer Student Clubs  
DHA Suffa University

# Python Bootcamp

Shakeeb Siddiqui

Taha Khan