

# OPEN SOURCE OPENS DOORS

```
5 abort("The Rails environment is missing: it should be defined")
6 require 'spec_helper'
7 require 'rspec/rails'
8
9 require 'capybara/rspec'
10 require 'capybara/rails'
11
12 Capybara.javascript_driver = :webkit
13 Category.delete_all; Category.create
14 Shoulda::Matchers.configure do |config|
15   config.integrate do |integrate|
16     integrate.with test_framework :rspec
17     integrate.with library :rails
18   end
19 end
20
21 # Add additional requires below this line.
22
23 # Requires supporting ruby files with spec support,
24 # spec/support/ and its subdirectories. These files
25 # run as spec files by default. You can use the
26 # in _spec.rb will both be required and run as spec
27 # run twice. It is recommended that you use the
28 # end with _spec.rb. You can configure the
29 # option on the command line with --require
30 # for 'mongoid'
```

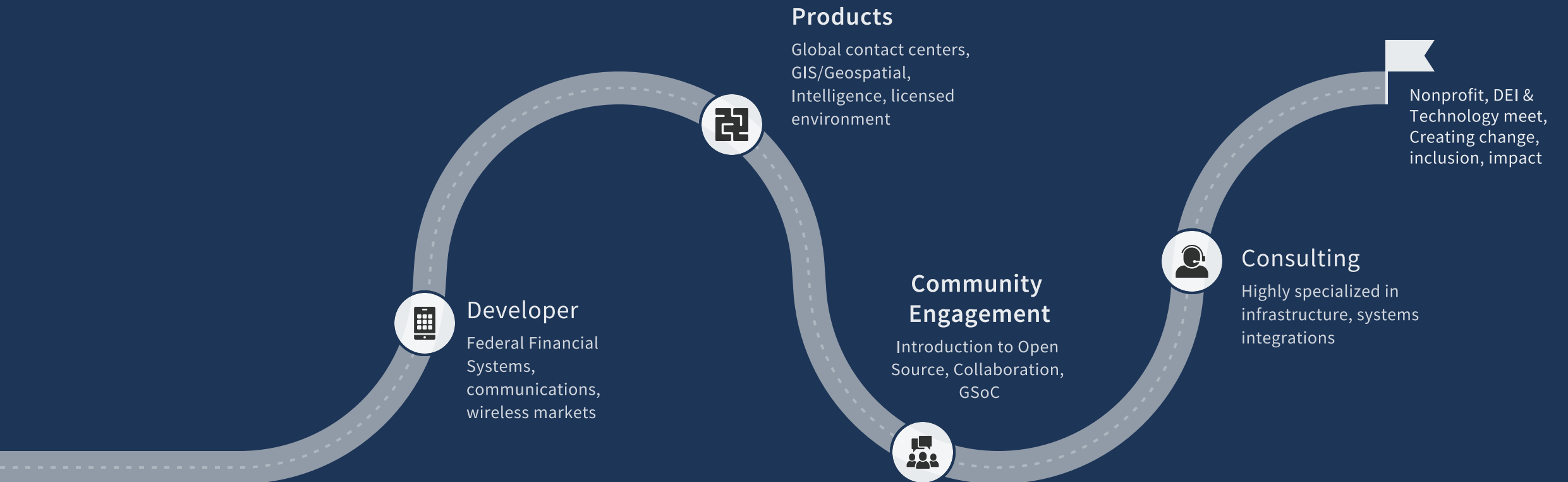
# WHO IS CMD-IT AND WHAT WE DO



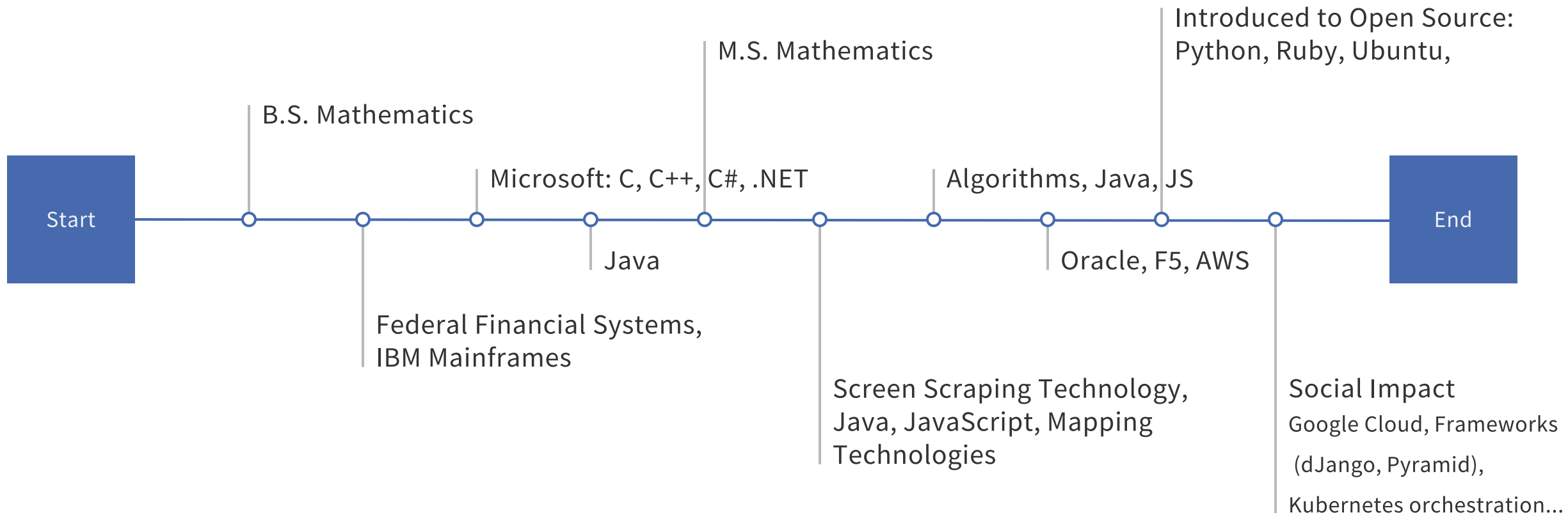
- Center for Minorities and People with Disabilities in IT
- Support the underrepresented groups in Tech  
African Americans, Hispanics, Native Americans and People with Disabilities
- Provide programming to support our communities to fully engage in the workforce  
Workforce include Academia, Industry, Research, and Government
- Engage our community in Technology  
Inspire students to participate in Computer Science and Create cultural diversity in the workforce and society

# ROSE ROBINSON

Opportunities and doors opened throughout my career journey.



# MY TECHNOLOGY JOURNEY



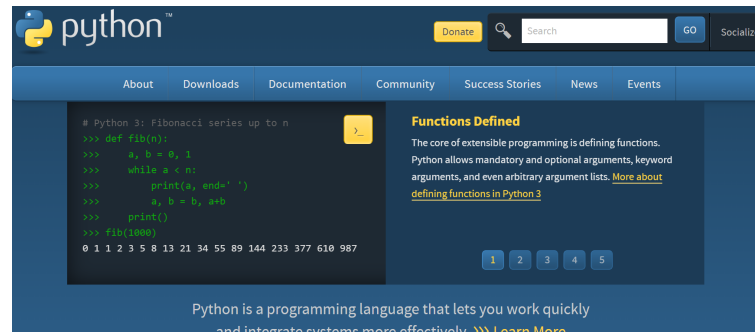
# WHAT IS OPEN SOURCE?

- FREE
- Free and Open Source Software (FOSS)
- Code is Free
  - Depends on licensing
- Everyone had Access
- Collaborate
- Contribute
- Willingness to Share
- Open means Transparency
- Open Licenses
  - [choosealicense.com](https://choosealicense.com)

# OPEN SOURCE TECHNOLOGIES



Server



Programming Languages



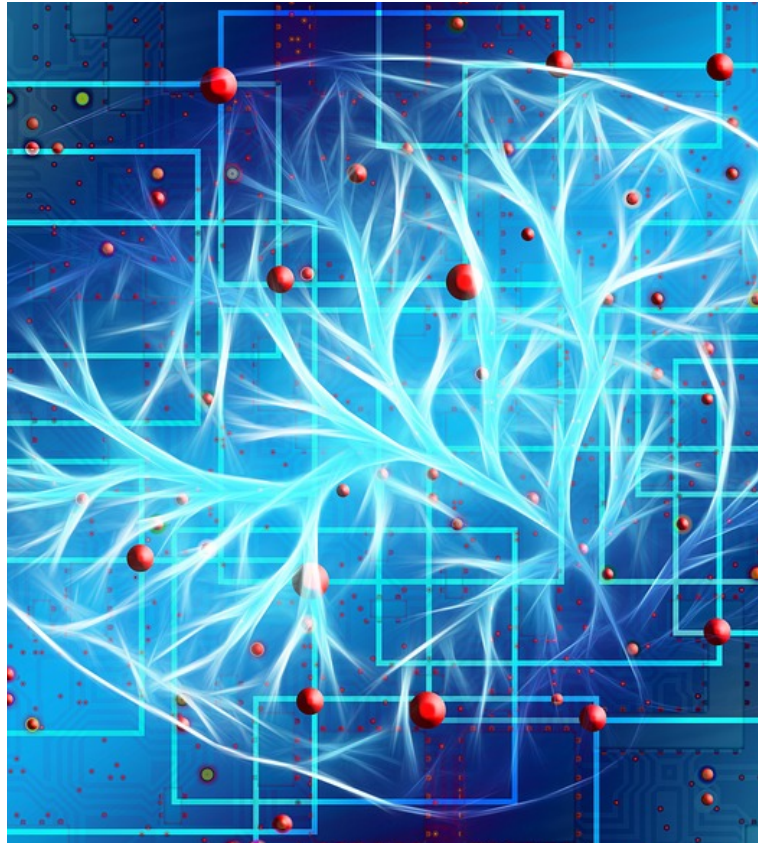
Cloud Computing



# OPEN SOURCE TECHNOLOGIES CHANGING OUR WORLD



Data Science

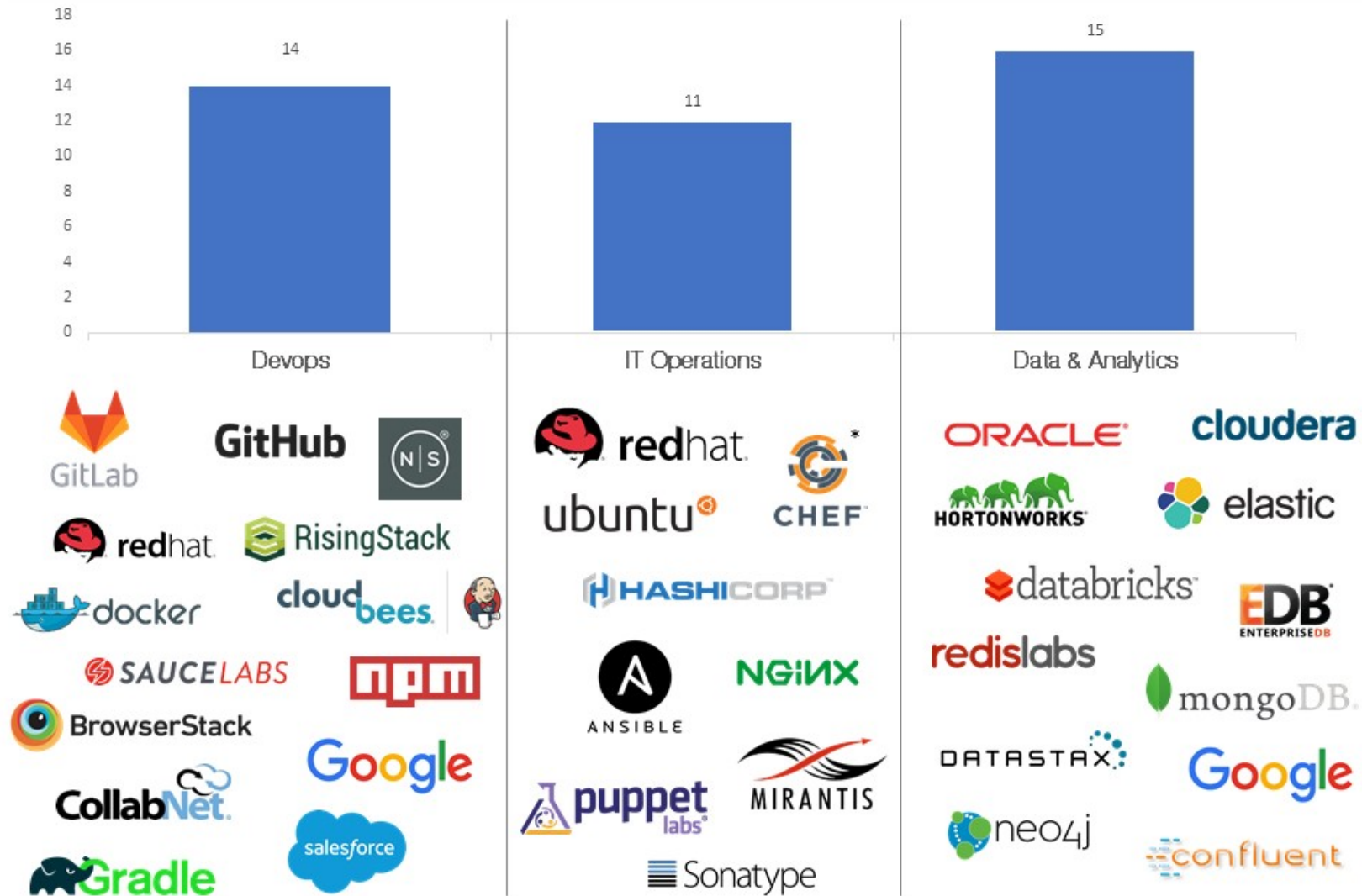


Artificial Intelligence



Blockchain

## Top 40 Open-Source Projects by Category & Sample of Related Companies





YOU + IDEA + COMMUNITY  
+ STARTSOMEGOOD

= IMPACT

# IMPACT PROJECTS

# OPPORTUNITIES TO CONTRIBUTE AND/OR RESOURCES



Google Summer of Code

For College Students

# OPPORTUNITIES TO CONTRIBUTE AND/OR RESOURCES



Google Code In

For students 13 - 17 years old

# OPPORTUNITIES TO CONTRIBUTE AND/OR RESOURCES

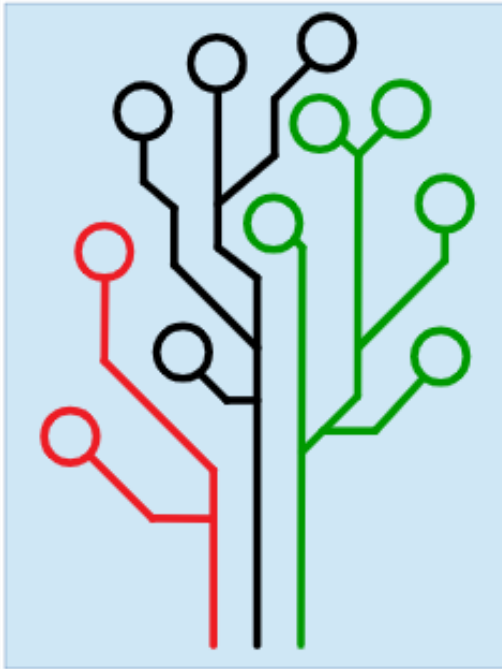


Software Carpentry

Teaching Basic Lab Skills for Research Computing



# OPPORTUNITIES TO CONTRIBUTE AND/OR RESOURCES



## Teaching Tech Together

How to create and deliver lessons that work and build a [teaching](#) community around them

# OPPORTUNITIES TO CONTRIBUTE AND/OR RESOURCES



UDACITY

## Udacity Scholarships

Intel® Edge AI Scholarship Program

# OPPORTUNITIES TO CONTRIBUTE AND/OR RESOURCES



**GitHub**  
Student Developer Pack

GitHub Education  
Student Developer Pack

# OPPORTUNITIES TO CONTRIBUTE AND/OR RESOURCES



IBM Developer

AI, Analytics, Node.js, Blockchain, Containers, Java



# Innovation Solutions Challenge

## PROJECTS

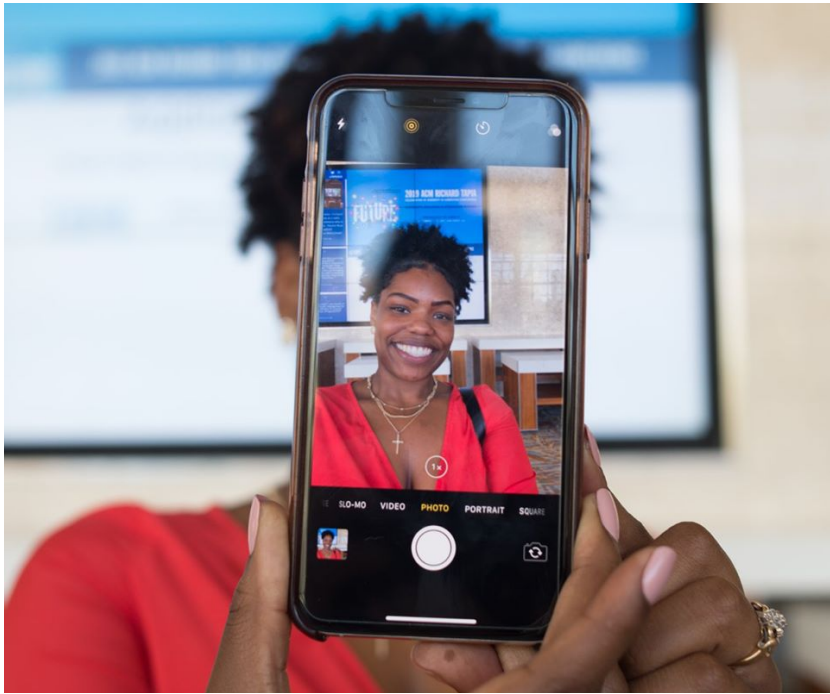


**CMDiT**

Center for Minorities and People with Disabilities in IT

*Fostering Innovation Through Inclusion*



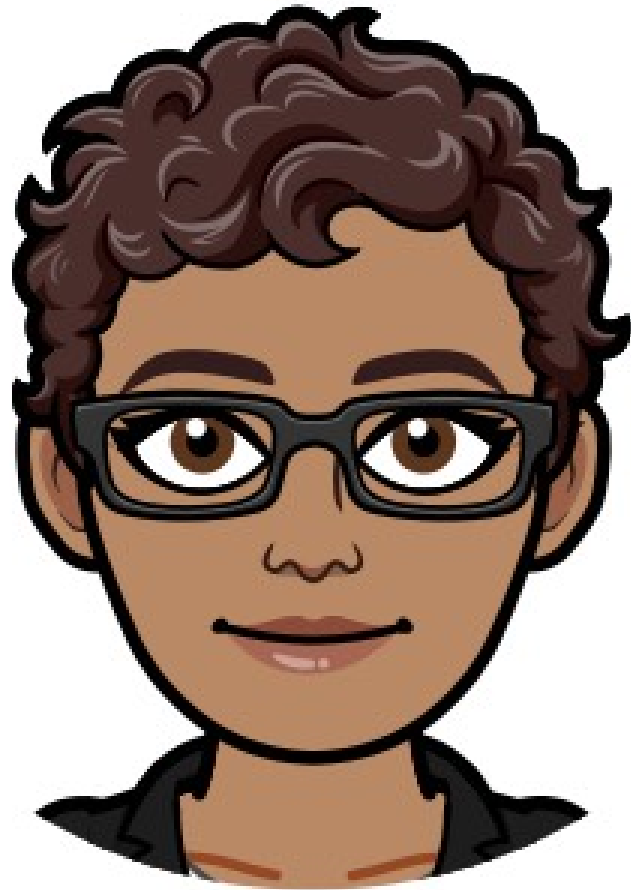




# THOUGHTS? QUESTIONS?

Open for Questions





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