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Ceph Project You Are Interested In: CEPH DASHBOARD UI ENHANCEMENTS AND IMPROVED COMMUNITY BRANDING

List your programming skills as related to the project description:

I am a 21-year-old developer, a FOSS contributor/supporter and a Python & Front-end enthusiast. I am currently pursuing my undergraduate studies at Amity School of Engineering and technology of Amity University Noida, India. My topics of special interest are Web-development frameworks like Angular, REST in Front-end and Django, MongoDB as a Backend. I am also experienced in Amazon Web Services like Ec2, S2 and Lambda.

I have completed two internship as a Web developer developing the front-end part of the website and also have worked in Django. I have been in programming for three years now. I started out with C/C++ in my first year of undergraduate studies and moved ahead to try my hand at PHP, Python and Django and then moved to front-end development frameworks like REACT and eventually Angular. I am comfortable with MVC Frameworks(CakePHP,Django) and have also worked with microweb frameworks like Sinatra and Flask.

Have you worked on an open source project before? If so, give the project name and describe the work you did

I have submitted few patches as listed down here: <https://github.com/aminator006/ceph>

Some of my Open Source Projects so Far have been :

1. Emo music player

Link : https://github.com/aminator006/Emo_music

I developed a Python based application that creates the playlist based on the emotion captured by the camera. Developed using the machine learning api's that captures the images and detects the emotion from the image.

2. Automated Fare Calculation in metro using facial recognition

Links: <https://github.com/aminator006/image-manipulation-using-U-net>

We developed this project on hackathon where the recognition happens in 3 phases. The first phase is done at the starting point where we scan the face and match with the database and then second is done while boarding the metro and the initial fare deduction is done here and thirdly is done to calculate the total fare deductions.

3. Pivotal Tracker Email Bot

Link : <https://github.com/aminator006/Pivotal-tracker-email-wrapper>

Pivotal Tracker(<http://pivotaltracker.com>) is an online Agile project Management tool. I solely developed an interface using their API to create "New Issues" by fetching the emails from a Gmail account. This has been recognized as a third party tool by Pivotal :<http://www.pivotaltracker.com/help/thirdpartytools>

Some of my other projects can be found at:

Link: <https://github.com/aminator006/>

I did my Summer Internship,2018 at Honda cars India division for developing the portal for the agent to login and showroom manager to login and see the status of their orders and can also see the notifications generated by the parent organizations. I was responsible for developing the front-end of the project using Angular and also contributed some code and ideas in the back-end part.

My Bio:

Link: <https://aminator006.github.io/>

What do you hope to gain from participating in this project?

I would gain an in-depth knowledge about writing scalable and modular code in any JavaScript frameworks. Though I have done a lot pf projects involving Python and JS, but none of them have taught me to write scalable code. As this project would actually go live on a Web Server and would be millions of people, not only it should be scalable but thoroughly tested to presentations and related stuff.

I use online resources myself for my own studies, and such I believe Connection is a great contributor to the society by providing a platform for everyone to refer Classroom notes, presentations and related stuff. Contributing my code towards the betterment of Ceph will be a privilege for me, my way of contributing back to the community.

Action Plan:

Before May 18th:

1. Discuss ideas about introducing Facebook/Twitter connect with the mentors. This would make sharing more easy and more content oriented
2. Read and study the Pyramid Framework
3. Discuss with the mentors a testing framework/method to be used for testing the functionalities of the website
4. Study the existing code of the <https://github.com/rhcs-dashboard/ceph>

5. Try fixing the pre-existing bugs.

Week 1: May 18st - May 24th:

1. Read the Google Docs API and Ceph documentation
2. Discuss and set expectations of code – dependencies, packages required, code style, testing framework, and documentation.

Week 2: May 25th - May 31st and Week 3: June 1st - June 7 :

1. Developing the modules for issue/35693.
2. Write test cases for these modules.

Week 4: June 8th - June 14th.

1. Document these previous modules in a style guide and review it from the mentors for any feedback.
2. Changing any issues in modules if any feedback is required.

Week 5: June 15th - June 21st and Week 6: July 22nd - June 28th.

1. Developing the modules for issues/35689.
2. Write test cases for the code
3. And review it from the mentors for any feedback.

Week 7: June 29th – July 5th and Week 8: July 6th – July 12th

1. Document these previous modules in a style guide and review it from the mentors for any feedback.
2. implementing for issues/38890 and issues/38891.

Week 9: July 13th- July 19th.

1. Document these previous modules in a style guide and review it from the mentors for any feedback.
2. Changing any issues in modules if any feedback is necessary.

Week 10: July 20th – July 26th .

1. Implementing for issues/36070 and issues/ 27218.
2. Document these previous modules in a style guide and review it from the mentors for any feedback.
3. Changing any issues in modules if any feedback is necessary.

Week 11: July 27th- August 2th

1. Bug Fixing.
2. Completing the Documentation.

Week 12: August 3rd - August 9th

1. Test the functionality of the website
2. Complete Documentation

3. Bug Fixes

Obligations:

I have no obligations during the summer and would be able to contribute full time to GSoC. I will be available full time on GTalk and IRC.