INCF GSoC 20XX Application - Your Name

Contact details

Full name:

Email:

Neurostars ID:

Location (Country and city): United States, Lawrenceville, Georgia

Github:

Project details

Project synopsis / summary

What is the project about? Why is it important? (approx 150-300 characters)

AnalySim

AnalySim is a platform that showcases the technological works of other students, while also providing tools to assist research and collaboration. Similar functions to github where you can fork other projects and join other teams or even create your own project. This application provides tools that help the users search for project's tags. By doing so, it improves the project's viability and relevance.

Project in detail

How will you handle the project? Please give a detailed description of your planned approach.

Editing CSV/Displaying CSV files

- CSV file viewing and sorting for AnalySim datasets, that can be sorted and filtered.
- I will study how to create and edit/delete CSV files using javascript,
- From here i will convert the CSV into an .html Table to be shown to the user
- Implementation of selecting columns and constraints that filters the data based on these conditions

Account Confirmation Email

- Will have a backend implementation to ensure that the email is functional and confirmed.
- When creating an account, a link should be sent to user's email, and when clicked it should be confirmed on the backend that the account is valid
- .net core framework to add code into the database to verify the email.

Getting permission from project owner

- This function will enable the owner to select people that they want to work with on their project. Ensuring permission will prevent any bad actors from messing up a project.
- Add an invite notification when an owner invites a collaborator to the project
- Enable editing/admin permission to requested user/collaborator

1) Minimal set of deliverables (bullet point list)

- File versioning
- CSV file browser with selecting attributes and filtering based on conditions
- Getting permission from project owner
- Account Confirmation Email

2) Detailed timeline; when will you do what? (per week or two-week period)

- Pre GSoC:
  - Get into contact with previous members to help familiarize myself with the project
- Community Bonding Period:
  - Install project locally and run the project
  - Coordinate with mentors on making updates

- Learn more about Angular
- Week 1-3:
    - enable manipulation of CSV files (With UI)
    - And familiarize myself with the AnalySim site
- Week 4-6:
    - Enable version numbering to keep track of versions in version control
- Week 7-9
    - Getting permission from a project owner to join a project function.
- Week 10-12:
    - Account Confirmation Email function

Your plan for communication with mentors

How, and how often, will you and the mentors keep in contact? (Via weekly video calls, via email, via chat…?)

- I will be able to ask my mentors any question i have via chat, weekly

Candidate details

Please give a short summary of your past experience

Grammark: Jan 2022 - Present

- **Description:**
    - Grammark is a grammar assistant tool to help students correct errors before turning in their paper or submitting an assignment or even an email. When given text the application will highlight errors, and offer corrective advice.
- Worked with Angular in software development and currently studying software development and information technology
    - https://github.com/kiyros/grammark
    - Project demo link:
        - https://kiyros.github.io/grammark/
    - Worked on the backend, to fix bugs and implement Firebase and a user System for our client. This project has given first hand experience in developing software and looking at others code. This has enabled me to

look outside of my own coding style to understand others' code and understand the structure of angular.

Tell us your motivation - why do you want to do this project?

- I wanted to learn more about Angular and how the front and back end work together. With this project I can increase my confidence in Angular and web development. Although new to Angular, I am passionate and curious to learn more about this technology. I will also be working with mentors I know and work well with which will encourage me more to do my best.

Match - tell us about something you've worked on in the past that would make you a good candidate for this project

- I am currently working with a team using Angular and Firebase on a project called Grammark. This project is what exposed me to Angular. With my education in software development and basics, I will be able to contribute to the project. Working with people on a team will provide me with an amazing learning experience that will make me a better developer.

You can apply for up to three projects. Is this the only project that you will apply for?

- yes

Working time - how many hours per week do you plan to work, and how will you divide your time?

- I plan to work 17-20 hours a week on this project. I will spend this time building Angular knowledge and working on the project.

Do you have any other plans for the work period (school work, another job, planned vacation)? If so, how do you plan to combine them with your work?

- During the summer, I will be …