Web ops Application

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1. What relevant programming languages or frameworks are you comfortable with? State your credentials and any experience in development. Internships, passion projects, open-source collaborations..we'd love to hear it all!

➔ I'm comfortable with Python, C++, and Fortran. Apart from these, I know HTML, CSS & JavsScript (basic).

➔ I am currently working on a project called SIMDYN under professor Dr. Abhilash Somayajula. Its final product is a web application. For that, I am learning the Flask web framework. So, I am kind of familiar with the basics of Flask web framework like jinja template language, routes, etc.

➔ Now about my experience, I have done an Internship at QkRes research and technologies as a front-end web developer. During this internship, I designed and developed different web pages for their commercial website.

> ➔ Website link - Here
>
> ➔ Webpages made for the website -
>
> - Mechanical Instruments page - link
> - About us page - link
> - Manufacturing & fabrication page - link
>
> ➔ Repositories for the same can be found on my GitHub profile - Link

2. What improvements can you suggest in the current websites made by the institute WebOps team?

➔ Freshie website - hovering effect on campus life section, can add preloader.

➔ Sport website - navigation bar for the full screen, login page UI or Contact page cards can be changed.

3.Why are you applying for this position and what qualities make you the right person for this?

➔ I am very interested in Full-stack web development. I am trying to find opportunities to pursue it as my profession after graduation. Hence, improving my skills and gain new skills & knowledge with experience would help me a lot in the future. Also, I believe I would make a good impact with my work in the WebOps team.

➔ I have been a part of Raftaar formula racing. Also, I am doing a research project with my friends. So, I have a decent experience of working within a team and finishing given tasks efficiently in the required period.

➔ I do not know backend web development. So, learning it through having a hands-on experience would be very great. Hence, I looking forward to being part of the WebOps team.

4.How much time can you devote to working in the WebOps team?

➔ I can give 3-4 hours of daily time for sure. Apart from it if more time commitment is required I manage it.

5.How would you rate your willingness to learn new stuff? What methods do you use to learn something new?

➔ I would rate myself 8.5 / 10 for the willingness to learn new stuff. I prefer to read the documentation for any new library or framework. If I didn't understand, I simply watched a youtube tutorial video and try to experiment with it. Also, I try to have a look at various examples given on tutorial websites. Through trying numerous examples I make myself comfortable with the new library/framework/language.

6. Feel free to describe any projects that you've worked on previously or are working on currently. You can include details about the design/architectural decisions you had to make and why you made them, any challenges you faced, and how you overcame them. Abandoned projects are fine too (maybe you can write about the lessons you learned from them).

➔ I have no such experience as of now. For the research project, I mentioned previously I have been working on developing code for calculating different scientific terms. I have not worked yet on the web application part.

➔ I have experience in front-end development, through the internship at QkRes. From the internship, I learned how using different frameworks can speed up development.

➔ About the personal projects, I am trying to make my portfolio website to showcase my projects, papers, etc. I am using flask webframe for it. Also, I have made game and dynamic graph application using Python.

Problem statements

➔ Links for the GitHub repo: Here
➔ Link to the hosted page using GitHub pages : Here