

# Job Opening

Senior Engineer: Computer aided engineering solver development

Dept. of Applied Mechanics, IIT Delhi · [pnair@am.iitd.ac.in](mailto:pnair@am.iitd.ac.in) · [Lab website](#)

Applications are invited for Senior Project Engineer position for a engineering software development project at IIT Delhi. The candidate will be reporting to [Dr. Prapanch Nair](#), [Prof. Amitabh Bhattacharya](#) and [Prof. Anupam Dewan](#) of IIT Delhi (click on their names for their respective websites).

This job contributes to the government's initiative for enabling transport through inland waterways.

## Responsibilities

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- Development of user-interface design and performance enhancement of an existing scientific computing software with application in the shipping industry.
- The development will involve implementation of UI using Qt/widgets/ImGUI/Javascript and testing the software.
- Writing maintainable code along with documentation.
- The project will be executed through scrum-like sprints. Hence, compliance to project management policy of the team is required.
- Educating the stake-holders about the usage of the software.

## Qualifications

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- M. Tech. with 1st class or equivalent in an appropriate engineering discipline OR B.Tech. (1st Class ) or equivalent with 3 years experience.
- Education in Computer Science, IT, Electronics, Mechanical, Aerospace, Chemical or Civil engineering with knowledge in scientific computing and basic understanding of physics/engineer.
- The prospective candidate should have sound mathematical skills and very good programming skills (in C++) in developing user interfaces, object oriented design.
- The candidate needs to be resourceful and motivated to build useful industry friendly software.
- Experience with working in linux based HPC environment.
- Excellent written and spoken communication skills in English.
- Knowledge in python, javascript or any other modern programming languages is a plus.
- Knowledge of computational fluid dynamics, computational geometry, scientific visualisation libraries, computer graphics in general will be a plus.
- Game/game engine development experience will be a plus.

## Location, Duration and Pay

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- Job location will be at IIT Delhi, New Delhi, India.
- Salary will be commensurate with IIT Delhi norms. For details see [this document](#)
- The initial appointment will be for 1 year which can be extended up to 3 years. Joining date can be as early as June, 2023.

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Interested candidates may write to [pnair@am.iitd.ac.in](mailto:pnair@am.iitd.ac.in) for more details and submitting application.