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rasunag27@gmail.com
www.linkedin.com/in/sunagra
https://join.skype.com/invite/jfr3L427jBpy

COMPETENCE:

Computer

Python	●●●○○
MATLAB	●●●○○
FINE/MARINE	●●●●○
Converge	●●●○○
TecPlot	●●●●○
Paraview	●●●●○
Ansys Basic	●●○○○
OpenFoam	●●○○○
Machine Lng.	●●○○○
Solidworks	●●○○○

Linux, Latex, GitHub, Cantera, C++.

Technical

Fluid Mechanics
Computational Fluid Dynamics
Turbulence
Numerical Methods
Linear and Non-linear Continuum Mechanics
Fluid-Structure Interaction
Finite Element Method
Combustion theory Basics
Thermal and Heat transfer Basics

Personal

Leadership Skills
Communication skills
Adaptability
Time Management

Languages

Kannada	●●●●●
English	●●●●●
French	●○○○○
Hindi & Telugu	●●●○○

SUNAG R A

Nationality: Indian
D.O.B: 27/05/1991

Masters in Erasmus Mundus
Computational Mechanics

OBJECTIVE

Young enthusiast with a finished master's degree in the field of Computational Mechanics, a Sagacious experience holder in the field of CFD, FEM, Turbulence, Model Reduction, Numerical Methods domains along with work experience in Steel Industry. Actively seeking Job opportunities in the field of CFD, FEM, Machine learning to Computational mechanics domain.

EDUCATION

09/2017-08/2018
ECOLE CENTRALE DE NANTES, FRANCE
2nd year Computational Mechanics – Spl.(CFD, Turbulence, Model Reduction, FSI, XFEM.), 70%

09/2016-08/2017
SWANSEA UNIVERSITY, UK
1st year Computational Mechanics – Spl.(Numerical Methods, Advanced Fluid Mechanics, Continuum mechanics, FEM), 68%

09/2008-08/2012
BMS INSTITUTE OF TECHNOLOGY, INDIA
Bachelor of Mechanical Engineering

EXPERIENCE

11/2012-07/2015
MECHANICAL MAINTENANCE ENGINEER (JR. MANAGER)
JINDAL STEEL WORKS

- Maintenance of CDQ plant. (Coke dry quenching).
- Lead a team of 10 technicians in each work shift.
- Successfully completed annual shutdown of CDQ 3 and 4.
- Resolving of technical issues and department conflicts in collaboration with Operation and Electrical team.

02/2012-05/2012
TEAM LEAD
NATIONAL AEROSPACE LABORATORIES

- Team leader for a team of 4 in the project of "Fluidic Thrust Vectoring by Nozzle throat Skewing".
- CFD Study on Thrust vectoring of a 2-D convergent nozzle. My role was to mesh and analyze the optimized design. Gambit for designing and Ansys fluent for meshing were used.

PROJECTS

THESIS: "Assessment of Numerical Simulations for the Prediction of Transitional flows". The simulation involved the study of validation of transitional flow in 2D Flat plate and Airfoil using FINE/MARINE. Python code was edited to obtain the Inlet Turbulent flow conditions.
ACADEMIC: Python scripting for result atomization, Turbulent flow analysis of 2D NACA0012 and AGARD 303 Profile. FSI Analysis on NACA0012 and Dam-break flow analysis.
EXTERNAL: Turbomachinery simulations using Converge CFD through Skill-lync (e-learning website – The projects are uploaded here - https://projects.skill-lync.com/profiles/Ra-Sunag-778)