Company :	**ExxonMobil**
Company Name :	**ExxonMobil**
Nature Of Business :	**Energy**
Designation :	**Intern**
Tentative Job Location :	Bangalore

Computational Scientist- Intern

Seeking candidates to work on challenging engineering problems for our upstream business that focus on exploration, development, and production of hydrocarbons through development and application of computational modeling and analysis.

Responsibilities:

- **Research and develop advanced computational, numerical, or data science tools for solving challenging problems in the oil and gas industry**
- **Build computational numerical models and perform simulations using proprietary and vendor tools to provide design guidance necessary to solve business problems**
- **Work with computational scientists and engineers to develop and deliver computational tools, models, algorithms, and software to support our upstream business**
- **Design, build, and execute parametric and uncertainty analysis studies using simulation models**
- **Create tutorials, documentation, training material, and case studies**

Description :

Requirements:

- **Master's candidates in one of the following disciplines: Chemical Engineering, Mechanical Engineering, Civil Engineering, Materials Engineering, Aerospace Engineering, Computational and Data Sciences, or related disciplines.**
- **Experience in developing, applying, and analyzing physics-based models and simulations and developing related algorithms.**
- **Excellent communication skills and willingness to work in a collaborative environment is required**
- **Programming experience in MATLAB, Python, C, or C++ is an advantage**
- **Knowledge of optimization, statistical analysis, or machine learning techniques is an advantage**
- **Knowledge of general numerical analysis and methods for solving differential equations is an advantage.**

Knowledge of commercial and open source software packages such as ABAQUS, FLUENT, OpenFOAM is an advantage

Eligibilty :

Program	AE	BSBE	CE	CHE	CSE	EE	ES	ME	MSE	PHY	CHM	MTH	ECO	DES	IME	HSS
BT-BS	No	No	No	No	No	No	No	No	No	No	No	No	No	--	--	--
MT	No	No	No	No	No	No	No	No	No	--	--	--	--	--	No	--
DoubleMajor	No	No	No	No	No	No	No	No	No	No	No	No	No	--	--	--
dual	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	--	--	--
dualB	No	No	No	No	--	--	--	No	No	No	No	No	No	--	No	--
dualC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No	--
Mdes	--	--	--	--	--	--	--	--	--	--	--	--	No	--	--	--
MBA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No	--
Phd	No	No	No	No	No	No	No	No	No	No	No	No	No	--	--	No
Msc	--	--	--	--	--	--	--	--	--	No	No	No	No	--	--	--
MSR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Stipend per month :	**25000**
Other Facilities Offered :	**NA**
Bond :	**False**
CPI CutOff :	**0.0**
Medical Requirments :	
Resume Shortlist :	**True**
Resume Shortlist Criteria:	**GPA- 7 and above, resume**
Aptitude Test:	**False**
Group Discussion:	**False**

Technical Test:	**False**
Technical Interview:	**True**
Technical Interview Duration:	**60 minutes**
Number of Techincal Interview Rounds:	**1**
HR Interview:	**False**
Additional Information:	