ARUN PRAKASH GANAPATHY

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Education

September 2018–Now   Masters in Computational Materials Science
                            Technical university of Freiberg, Germany

2013-2017   Bachelors degree in Mechanical Engineering
                            Velammal Engineering College

2011-2013   High School
                            Dr. V.G.N Hr.sec School

Practical Experience

April 2015   Inplant Training at TNPL Factory, Karur, India
August 2017   Inplant Training at RAMCO Cements PVT Ltd, India

Projects

October 2019-Now   Static analysis of Beam Structures using Refined beam models

- Developing a finite element solver which analyses beam structures based on Carrera Unified Formulation (CUF)
- Programming Language: **Python**

May 2019   Non-Linear Finite element analysis
- Developing a finite element solver for Spherosymmetric elastic-plastic problem from scratch
- Programming Language: **Python**

January 2019   Programming GUI for Raw data analysis
- Developing a GUI for analyzing the raw data based on Least Square method
- Programming Language: **MATLAB**

January 2017   Bachelor Thesis
- Investigation of addition of Canola seed oil methyl ester to CI engine fueled with blends of Higher branched alcohols and diesel

Technical Skills

Programming Languages	Python
	MATLAB
	C
Softwares	Abaqus
	CATIA
Other softwares	git, Linux(shell scripting), Arduino programming

Languages

- **Tamil**   Mother Tongue
- **English**   C1
- **German**   B1

Hobbies

- Arduino Programming
- Reading books and cycling