



## Sharun Dinesh

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### ● ABOUT ME

Ambitious and enthusiastic Mechanical Engineer with extensive knowledge of engineering principles and theories. I have gained hands on experience in design and prototyping through various projects and internships. I'm eager to leverage my academic background, technical skills, and enthusiasm for innovation to make meaningful contributions to the field and address complex engineering challenges.

### ● WORK EXPERIENCE

18/03/2021 – 28/06/2023 India

**SUBJECT MATTER EXPERT** CHEGG INDIA PVT. LTD.

- Providing solutions to the questions posted by students on Chegg website.
- Quality review of the solutions.

12/12/2022 – 10/02/2023 India

**CAE ENGINEER - INTERNSHIP** SIMULATION LAB

- Conducting CFD analysis to find out the effect of wing flap feature on the aerodynamic efficiency of subsonic aircraft.
- Analysis of simulation results of various models and report generation.
- Participated in knowledge sharing within the team.

### ● EDUCATION AND TRAINING

2018 – 2022 India

**BACHELOR OF TECHNOLOGY (HONOURS)** APJ Abdul Kalam Technological University

**Website** [ktu.edu.in](http://ktu.edu.in) | **Field of study** Mechanical Engineering | **Final grade** 8.84 | **Number of credits** 194

2015 – 2017 Kannur, India

**HIGHER SECONDARY EXAMINATION** GHSS Chala

**Final grade** 93.8

2014 – 2015 Kannur, India

**SECONDARY SCHOOL EXAMINATION** Jawahar Navodaya Vidyalaya, Kannur

**Final grade** 9.6

### ● LANGUAGE SKILLS

Mother tongue(s): **MALAYALAM**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B2	B2
HINDI	B2	C1	B2	B2	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## DIGITAL SKILLS

Solidworks software | AutoCad 2D -3D | Google Drive | ANSYS Workbench (Simplified) | Microsoft Office | Optimal knowledge of ANSYS Fluent | Microsoft Powerpoint | Microsoft Word | C / C++ / C+ | Microsoft Excel | Zoom | Social Media | Google Docs

## PROJECTS

10/2021 – 06/2022

### Design and Analysis of Coronary Stent

- The project work was focused on optimization of stent geometry to reduce the risk of restenosis.
- Geometrical parameters were identified and prototype of coronary stent models were created using SolidWorks software.
- Finite element analysis were done on stent models to study the expansion characteristics.
- Effect of geometrical parameters on expansion characteristics were studied.
- The design optimization of stent geometric parameters was done by regression analysis using Minitab software.

07/2020 – 12/2020

### Design of Automatic Side Stand Retriever

- Created a virtual design of an automatic side stand retriever for two wheelers using SolidWorks software

## NETWORKS AND MEMBERSHIPS

2021 – 2022

### ASME Student Member

- Active participant in various ASME events.

## VOLUNTEERING

2015 – 2017

### NSS Volunteer

- Participated in various programs conducted by National Service Scheme.
- Worked with fellow volunteers for the well being of differently abled students.

## CERTIFICATIONS

### The Finite Element Method for Problems in Physics

-University of Michigan via Coursera

### Rapid Manufacturing

-IIT Kanpur via NPTEL

### Product Design and Development

-IIT Roorkee via NPTEL