Akash Raveendran

akashraveendran03@gmail.com +917012124520

SREEHARI, PO CHIRAKKAL, NEAR CHIRAKKAL PANCHAYAT ROAD, KANNUR 11, KERALA, INDIA

Akash Raveendran

Passionate and enthusiastic individual with quality technical knowledge in Gas Turbines and automobiles.
Good communication skills and works good in a team with productive problem solving capability.

Education

M.Tech Defence Technology, *Amrita School of Engineering* 10/2021 – 07/2023
CGPA- 8.55 Coimbatore, India

B.Tech Mechanical Engineering, *Vimal Jyothi Engineering College* 07/2016 – 08/2020
CGPA- 8.22 Kannur

+2, *Kasturba Public School* 2015 – 2016
81.4% Kannur

SSLC(10TH), *Kasturba Public School* 2013 – 2014
74% Kannur

Projects

CHT Analysis of a Gas Turbine combustor liner with compound angle effusion holes 09/2022 – 07/2023
M.Tech Final Year Project
The main objective of this project is to study effusion cooling of a Gas Turbine combustor liner with compound angled effusion holes and arrive at the optimum configuration of the compound angled effusion holes.

Solar Panel Cooling System 2019 – 2020
B.Tech Final year project
The scope of this project is that it will help in lowering the degradation of panel and higher longevity for the panel, thus the efficiency of solar panel can be increased by cooling .

Steering Controlled Headlights 02/2017 – 07/2017
It allows the driver to see the incoming obstructions in hilly areas or in the regions with sharp turns.

Professional Experience

Gas Turbine Research Establishment, DRDO 09/2022 – present
Project Trainee Bengaluru, India
Exposure in modelling and CFD of Gas Turbine Components.

Technical Skills

CFD simulation
Got exposure to various CFD software like FloEFD, ANSYS as a part of M.Tech project while working in GTRE.

Programming Language
Had exposure to Matlab as a part of M.Tech project.

Designing Softwares
Got good exposure in various designing softwares like SolidWorks, NX, CATIA

Meshing
Got exposure to Meshing softwares like hypermesh, Ansys meshing etc.

Area of Interest

- **Gas Turbines**
- **COMPUTATIONAL FLUID DYNAMICS**
- **Designing and modelling**
- **Automobile design and fabrication**