

Aleena P B

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Experience

Worked as research internee at IIT Bombay, Maharashtra, 5/2023-7/2023

Worked under the project titled 'Thermal Analysis and Droplet combustion studies of pitch'. This project focused on investigating the thermal properties and combustion characteristics of pitch, with a particular emphasis on thermal kinetics. My responsibilities included conducting comprehensive data analysis of the experimental results and deeply studying the methodologies of Thermogravimetric Analysis (TGA) and Differential Scanning Calorimetry (DSC).

Worked as an internee at Apollo Tyres, 6/2022-7/2022

Worked as a operational intern at Apollo Tyres Ltd Kalamassery Plant, Ernakulam, Kerala where I learned more about manufacture of tyres, operations works at a factory & various composite material properties.

Education

Amity University Mumbai, Maharashtra

Bachelors in Aerospace Engineering (2020-2024)
CGPA 8.78/10

SMHSS Cherai, Ernakulam, Kerala

Higher Secondary Education - Science (2019)
CGPA 9.7/10

ST.Augustines GHSS Kuzhuppilly, Ernakulam, Kerala

High School (2017)
CGPA 10/10

Technical Skills

Experience in Structural analysis, Fluid flow analysis, Mechanical design, Data analysis/ Statistics.

Tools,

- Mechanical design : **Autocad, Fusion 360**
- Structural and fluid flow analysis : **Ansys (CFD/FEA)**
- Data analysis/Statistics : **MS Excel/Originlab**
- Programming technologies : **MATLAB, Python**

Language

English

Malayalam

German