

GANGOTRI BORAH

M.Tech

Thermal and Fluid Engineering
Mechanical Engineering
at Assam Engineering College
CGPA : 8.42/10 till 1st semester

Skills

LANGUAGES

Basic C Language

SOFTWARES

Ansys Fluent, Catia V5 Pro
AutoCad, MatLab
Microsoft Office, COMSOL

Coursework

Heat Transfer

Advanced Engineering Thermodynamics

Pollution Control Engineering

Finite Element Method

Heat Exchanger Design

Education

2022-CURRENT

M.TECH IN THERMAL
AND FLUID ENGINEERING

Mechanical Engineering
Assam Engineering College
CGPA : 8.42/10

2016-2020

B.TECH IN MECHANICAL
ENGINEERING

GIMT, Guwahati (Assam)
CGPA : 7.89/10

2013-2015

INTERMEDIATE

Bharali's Academy Jr College, Nagaon
Percentage: 80.60%

2003-2013

HIGH SCHOOL

Sankardev Vidya Niketan, Nagaon
Percentage: 86.66%

Jonmijoyborah path
North Haiborgaon, Nagaon (Assam)
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Projects/Workshops

11-15 OCT'22 **Skillling Programme**

Application of CAD in 3D Printing

and 3D Scanning, AICTE-IDEA Lab, GIMT, Guwahati

Learnt to design 3D printable models by adhering to design rules such as optimizing overhangs, adding supports, and maintaining appropriate wall thickness. Explored various 3D printing technologies, including Fused Deposition Modeling (FDM) and Stereolithography (SLA).

AUG'19-SEPT'20 **B.Tech Project**

**Design, Fabrication and Analysis of solar
water heater using flat plate collector**

The purpose of the project is to observe the variation introduced in the efficiency of the collector due to change in dimension of fluid carrying pipes and collector adsorbents.

JULY'19-AUG'19 **IOCL**

Training at IOCL, Guwahati Refinery (Assam)

Learnt about the Refinery Mechanical Maintenance, Heat exchanger overhauling, Furnace Maintenance, Strainer Cleaning. Also learnt about the Total Productive Maintenance.

3-6 DEC'18 **Royal Enfield**

Training programme in Fresher's course

Gained a solid understanding of the fundamental principles of motor-cycles, including their components, operation, and maintenance. Also acquired knowledge about the brand's heritage, history, and iconic models.

3-18 JULY'18 **ANSYS (structural) and CATIA** **Tool Room and Training Centre**

MSME Guwahati

Became proficient in navigating the ANSYS user interface, which includes tools for geometry creation, meshing, and simulation setup. Also learn how to create complex 3D models and assemblies using CATIA's parametric and feature-based modeling capabilities.

2-3 SEPT'17 **Workshop on Automobile and IC engine**

IIT Guwahati

Gained a comprehensive understanding of the basic principles underlying internal combustion engines, including the processes of intake, compression, power, and exhaust strokes. Studied various engine types, such as gasoline, diesel, hybrid, and electric, and their respective operating principles.

Achievements/Awards

MARCH 2020 **Dance Competition**

Runners Up

Secured 1st runners up in Inter college dance competition.

MARCH 2019 **Dance Competition**

Winner

Secured 1st position in Inter college dance competition.

JANUARY 2010 **Art and Craft**

Distinction

Completed Diploma in Art and Craft and secured Distinction position.