Badavath Nikhil   190020028

Chemical Engineering   **B.Tech.**

Indian Institute of Technology, Bombay   **Gender: Male**

          DOB: 17-09-2000

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2023	null
Intermediate	Telangana State Board of Intermediate Educt	Vaagdevi Junior College, hanamkonda warangal	2018	98.20%
Matriculation	Board of secondary education	Thapar Vidya Vihar, kamalapuram	2016	9.5

SCHOLASTIC ACHIEVEMENTS

- Secured a rank of 410 in ST Category JEE Advanced among 2,24,000 students   (2019)
- Secured a rank of 735 in ST Category in JEE Mains among 1.15 million JEE aspirants   (2019)

KEY PROJECTS

Optimization of Geothermal Heat Pumps | Heat Transfer | Course Project | **[Jan'21-May'21]**

Guide: Professor P Sunthar

- Worked in a team of 8 and is responsible for giving Ideas(ideator) throughout the project
- Surveyed **100+** user sand established the need for cost effective and efficient air-conditioning alternatives
- Examined Feasibility of Geothermal Heat Pumps (**GHPs**) as a sustainable and economical alternative to ACs
- Identified high installation cost as the key hindrance with wide scale implementation of **GHPs** in India
- Optimized installation parameters for the application areas with 30% lower energy consumption using **GHPs**

Effects of streamlining on body | Fluid Mechanics | Course Project | **[May'21]**

Guide: Professor Devang Khakkar

- Worked as a group of 3 to study the effects of streamline on drag force of body in uniform flow
- Created 3D flow models with the help of OpenFoam

Radar Scatterometry & Ice Sheets | Course Project   **[Mar'21- May'21]**

Guide Prof. Gulab Singh | **Centre of Studies in Resources Engineering, IIT Bombay**

- Worked in a team of 5 to study about Ice sheets, Radar Scatterometry & its applications
- Studied about uses, types, working and cryospheric applications of Radar Scatterometry
- Studied about Continental Ice sheets, Ice Sheet Dynamics and Melting Ice sheets
- Prepared a 34-page project report and gave a 20-minute-long presentation on the project to our guide

POSITION OF RESPONSIBILITY

Hospitality and PR Coordinator-Mood Indigo, IIT Bombay   **[April'20-Dec'20]**

Asia's Largest Cultural Festival having Footfall of 146,000+ and having 240+ Events
- Appointing and coordinating with 2000+ College Ambassadors all across the country
- Responsible for connecting with various international cultural groups to expand the reach of Mood Indigo
- Organizing weekly events and workshops to engage with 30000+ students from over 1000 colleges
- Ideated and Structured Virtual Mood Indigo Orientation series held across 10+ regions all over India
- Promoted the event on social media to make its maximum reach and coordinated with other departments

Public Relations Co-ordinator, The Entrepreneurship Cell, IIT Bombay   **[Dec'20-March'21]**

Asia's largest Entrepreneurship body managed and run completely by the students of IIT Bombay
- Organized the Case study competitions for Contingent Leader to help them for enhance their Contingents
- Worked on help desk during the fest to address the student problems and their technical glitches

TECHNICAL SKILLS

Languages   -   C++, MATLAB, PYTHON, SQL
Softwares   -   AUTOCAD, SOLIDWORKS, MS OFFICE, QGIS

EXTRA CURRICULAR ACTIVITIES

- Participated as Organizer in Asia's largest college cultural fest **Mood Indigo**   [2019]
- Participated as Organizer in **Tech Fest** - Asia's largest college technology fest, IIT Bombay   [2019]
- Completed Course on Excel offered by Analytics Learner's Space bootcamp , IIT BOMBAY   [2021]
- Pursuing" sub-course on SQL offered by Analytics Learner's Space bootcamp , IIT BOMBAY   [2021]
- Part of an year-long training camp in **Cricket** under **NSO** program   [2019]
- Winners of **Chemical Department Open Cricket tournament**   [2020]
- Participated in inter hostel tournament 'Vikings De Dana Dan', organised by Hostel 6   [2020]
- Volunteered in a Social-Drive of **Abhyuday-POWAI Lake** cleanup and awareness Campaign   [2019]