

# Oindrila Ghosh

**Birla Institute of Technology and Science, Pilani (Goa Campus)** –  
*Bachelor of Engineering in Chemical Engineering*

August 2020 – May 2022 (expected)

**CGPA:** 8.08/10.0 (Equivalent to a 3.23/4.0)

**ISC:** 96.75%

**ICSE:** 97.8 %

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**Github:** <https://rb.gy/oplmdl>

## EXPERIENCE

### **The Pangean (Work From Home) — Technology Internship** (MERN stack developer)

JULY 2020 - PRESENT

- Working on a web application to automate the entire process of article writing, editing, proofreading, publishing, maintaining databases of articles and comments left by readers on The Pangean's website.
- Tech stack used: MERN stack, Markdown, SEO

### **Atomic Energy Regulatory Board, Mumbai (Work From Home) — Summer Intern**

MAY 2020 - JUNE 2020

- Developed the thermo physical property module for the containment code (a proprietary package capable of simulating the containment chamber of a nuclear power plant).
- Tech stack used: Fortran 95, Doxygen (for documentation)

### **Ucadd, Goa — Content Marketing Manager**

OCTOBER 2018 - JULY 2019

- Ucadd is an ed-tech start up which aims to provide support for JEE preparation to students of class 11-12.
- Helped set up the blog for the company and created content for it.
- Conducted SEO keyword research on a regular basis to optimise the websites and increase traffic.
- Implemented various marketing techniques to increase traffic via YouTube, Instagram, LinkedIn, Facebook and Quora.

## EXTRA CURRICULARS

### **Editor-in-Chief — Department of Journalism and Media Affairs** (BITS Pilani, Goa)

MAY 2020 - PRESENT

- Started various series: Pride series (a series of interviews of LGBT+

## SKILLS

**Languages:** Java, C, Python, HTML, CSS, JavaScript (MERN stack), MySQL

**Libraries and Frameworks:**

React, Bootstrap, Redux, Express.js, NumPy, Pandas, Matplotlib

**Others:** MS Excel, SEO, Public Speaking, Editing

## ACHIEVEMENTS

**Winner, Frontend Hackathon'20, GirlScript (Ranchi Chapter)**

**Mentor, Public Speaking, Speechification (July 2020 – August 2020)**

**Winner, SLS British Parliamentary Debate Tournament'19 (Novice Category)**

**Scholarship Recipient, Merit cum Need Scholarship, BITS Pilani (Goa), 2018 – Present**

**Winner, Manori Devi Memorial Award'18 (Topper in Science stream in ISC'18)**

**Winner, ASISC Debate Tournament'15 (State Level), West Bengal and North East Chapter**

members on campus), fortnightly crosswords, FAQ series (a series of interviews to answer questions related to academics).

- I manage a department of almost 100 members and the posts on the various social media handles with 2000+ followers.

## **Core Team Member — Literary and Debating Club (BITS Pilani, Goa)**

APRIL 2019 - APRIL 2020

- Organised the first edition of InVerse Kolkata, a national level poetry slam competition.
- Helped organise Contention'19, a British Parliamentary Debate Tournament with a budget of about 3 lacs and over 140 participants from across the country.

## **PROJECTS**

### **Simulation of a Green Gym**

AUGUST 2019 - DECEMBER 2019

- A green gym is a model gym which does not require any energy input. Instead, it produces electricity from the work done by the gymers that can be stored and used later or added to the grid.
- The idea is to use piezoelectric material to generate electricity from mechanical work done on them.
- I worked on a code to simulate such a gym with any number of equipment (as required) in a user defined floor space as per commercial standards.

### **Interactive Games**

APRIL 2019 - PRESENT

- Created a simple Flappy Bird game.  
Tech stack: HTML, CSS, JavaScript, p5.js
- Created a sudoku game capable of generating and solving sudoku puzzles.  
Tech stack: Python

### **Portfolio Website**

JULY 2020

- Created a personal portfolio to display all my work and achievements.
- Tech stack: HTML, CSS, JavaScript, Bootstrap

## **LANGUAGES**

1. English (Full Professional Fluency)
2. Bengali (Native Language Fluency)
3. Hindi (Bilingual Fluency)

## **CERTIFICATIONS**

Bootstrap4, SEO for Websites  
(from Udemy)

React+Redux, Python3,  
HTML5, CSS3, JavaScript,  
Java, MySQL (from Sololearn)

Database Management  
Systems, Operating Systems  
(from GirlScript Foundation)

## **VOLUNTEERING EXPERIENCE**

### **Fundraising volunteer, Muskurahat Foundation**

(NGO working for  
under-privileged children in  
orphanages)

March 2020 - April 2020

### **Thermodynamics Mentor, Center for Technical Education (BITS Pilani, Goa)**

January 2020 - May 2020

**Volunteer, Queerious BITS** (I  
help create content to spread  
awareness and to encourage  
BITSians to create a safe space  
for the LGBT+ community on  
campus)

September 2019 - Present

### **Student Mentor, Peer Mentorship Programme** (I

mentored first year students  
and helped them cope with  
the stresses of college life)

August 2019 - April 2020

### **Computer Teacher, Deenabandhu Trust**

June 2019 - July 2019

### **Contributing Writer, The Pangean**

June 2019 - Present