



# Jyotiraditya Sikder

Roll No.:2021B2PS2762P

Bachelor's of Engineering & Master of Science

Birla Institute of Technology and Science, Pilani

+91-8910776993

jyotiraditya.sikder@gmail.com

Github | Website

linkedin.com/in/jyotiraditya-sikder

## ABOUT ME

Highly motivated undergraduate seeking for research opportunities in Nuclear Science and Thermodynamics. With a knack in physical sciences (astrophysics, in particular), I aspire to earn a Ph.D. in the related disciplines later.

## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
Master of Science	Birla Institute of Technology and Science, Pilani	0.00 (Current)	2021-Present
Bachelor of Engineering	Birla Institute of Technology and Science, Pilani	0.00 (Current)	2021-Present
Senior Secondary	CBSE Board - Physics, Chemistry & Maths	91.4%	2020
Secondary	CBSE Board	89.7%	2018

## EXPERIENCE

- Tech Analogy** *Certificate of Excellence / Letter of Recommendation*  
*Intense Industrial Software Development* Sept. 2021 - Nov. 2021
  - Personal Portfolio
  - Employee contact directory
  - Youtube Clone

## SELECTED PROJECTS

- Facial Recognizing Application** *April 2021*  
*GUVI India / IIT Madras* Certificate
  - AI Based Stone Paper Scissor
  - Check if a person is wearing a Mask or not
- Gravimetric Detection of Earth's Rotation Using Smartphone** *March 2018 - April 2020*  
*Anecdata.org* IEEE Paper
  - Collected data from different locations.
  - Made appropriate mathematical calculations before submission.
- Paper on habitability of 1000 people on Mars** *Aug. 2018 - April 2019*  
*The Mars Society* Call Letter
  - Call for Papers at Mars Society Convention
  - Couldn't attend physically due to some reasons.
- Autonomous AI Based Chat-Bot** *March 2017 - October 2018*  
*Personal Project*
  - HTML and Javascript based Chat Bot.

## TECHNICAL SKILLS

- Programming:** C/C++, HTML/CSS, MERN Stack, MATLAB
- Software:** Adobe Photoshop, AutoCAD, Figma, VS Codes *\* Elementary proficiency*

## KEY COURSES TAKEN

- Mathematics:** Linear Algebra, Basic Calculus, Multi Variable Calculus, Basic Permutation & Combination, Basic Probability
- Online Courses:** Rocket Propulsion - NPTEL, IIT Madras; Principles of Chemical Science - MIT OCW; How things Work in Physics - Coursera, University of Virginia; General Relativity - MIT OCW

## POSITIONS OF RESPONSIBILITY

- Indian National Coordinator**, Scientist for a Day, NASA *Dec. 2019 - May. 2020*
- Indian Ambassador**, International Astronomy and Astrophysics Competition *Feb. 2018 - Present*
- Science Exhibition Coordinator**, Bhavans Gangabux Kanoria Vidyamandir *Sept. 2018 - Dec. 2018*

## ACHIEVEMENTS

- Guinness World Record Participant**, GUVI Networks, IIT Madras *2021*
- Winner**, Sintilation Feast, Calcutta University *2018*
- First Runner Up**, National Quiz, ISRO (VSSC) *2018*
- Professional - Sustainable Development**, Embry Riddle Aeronautical University *2018*