

# SHAURYA GOYAL

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## EDUCATION

<b>Indian Institute of Technology Kharagpur</b>	2020 - Ongoing
Bachelor of Technology (BTech) in Ocean Engineering, CGPA: 8.74	
Awarded a scholarship	
<b>Higher Secondary Examination</b>	2020
Maharashtra State Board (HSC), score: 92%	
<b>Pawar Public School, Mumbai</b>	2017
Indian Certificate of Secondary Education (ICSE), score: 95%	

## PROJECTS

<b>News Feed Tracker</b>	April 2021
<ul style="list-style-type: none"><li>Writing a program that monitors and filters news online and notifies the user once it detects the user's interest</li></ul>	
<b>Cipher Encoder/Decoder</b>	April 2021
<ul style="list-style-type: none"><li>Writing a program that can encrypt/decrypt messages by two methods – shifting all letters by a key chosen by the user and the other by swapping the vowels with any letter of the alphabet</li></ul>	
<b>Hangman Game &amp; Word Game</b>	Mar 2021
<ul style="list-style-type: none"><li>Wrote python code for a hangman game which had hints in the form of possible words and a word length that the user can set</li><li>Wrote code for a word game where you decide no. of rounds, get allotted letters for each round to make words, can swap letters before playing, can replay the same round and a wildcard to be used as any vowel</li></ul>	
<b>Judgmental Heuristics to Nudge Decisions</b>	Mar 2020 – May 2020
<ul style="list-style-type: none"><li>Qualitatively designed an opt-out system for organ donation in India taking a multitude of location, cultural, economic factors into consideration</li></ul>	
<b>Snow Leopards</b>	Oct 2019 – Jan 2020
<ul style="list-style-type: none"><li>Documented snow leopard count and how settlements, poaching, diversity of flora and fauna, economic productivity of region, tourism etc. affected it</li></ul>	

## SELECTED COURSEWORK

Linear Algebra, Ordinary Differential Equations, Numerical Analysis (Ongoing), Multivariable Calculus  
Introductory Biology\*, Environmental Science, Principles of Microeconomics\* (Ongoing), Waves & Oscillations,  
Introduction to Data Science\* (Ongoing) *\* indicates online course from MIT-OCW*

## SKILLS

**Programming:** Python, MATLAB, C  
**Skills:** HTML, CSS, LaTeX, MS-Office, 3D CAD Modelling

## VOLUNTEER WORK

<b>Teacher (Independent)</b>	Oct 2019 – Dec 2020
<ul style="list-style-type: none"><li>Taught 2 under privileged kids in my locality of grade 5 (to grade 6) math, science and English</li><li>Led to improved understanding and skill and their grade also improved by nearly 20 percent</li></ul>	

## LEADERSHIP & EXTRA-CURRICULAR ACHIEVEMENTS

- Active member in Debating Society, IIT Kharagpur and one of the top speakers in the Intras Tournament
- Selected as Times Scholar 2020 by Times of India Group and awarded a scholarship (Declined)
- Silver Medal in National Taekwondo Championship and 1st Dan Black Belt
- Captain of school cricket team and team goalkeeper for football and handball with multiple wins
- Other Interests:** Guitar, Hiking, Running, Reading, Cooking, Rock music, Star Wars