SHAURYA GOYAL

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EDUCATION

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

PROJECTS

News Feed Tracker   Ongoing
- Writing a program that monitors and filters news online and notifies the user once it detects the user's interest

Cipher Encoder/Decoder   Ongoing
- 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

Hangman Game & Word Game   Mar 2021
- 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
- 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

Judgmental Heuristics to Nudge Decisions   Mar 2020 – May 2020
- Qualitatively **designed an opt-out system** for organ donation in India taking a multitude of location, cultural, economic factors into consideration

Snow Leopards   Oct 2019 – Jan 2020
- Documented snow leopard count and how settlements, poaching, diversity of flora and fauna, economic productivity of region, tourism etc. affected it

SELECTED COURSEWORK

Ordinary Differential Equations, Linear Algebra, 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, MS-Office, 3D CAD Modelling

VOLUNTEER WORK

Teacher   Oct 2019 – Dec 2020
Not Affiliated / Independent
- Taught 2 **under privileged kids** in my locality of grade 5 (to grade 6) math, science and English
- Led to **improved understanding and skill** and their grade also improved by nearly **20 percent**

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