



EDUCATION

- 2022 **Indian Institute of Technology, Kanpur** - Bachelor of Technology - Mechanical Engineering - CGPA : **9.01/10 ~ (3.6/4)**
- 2018 Arihant School of Arts, Commerce and Science, Maharashtra State Board of Secondary and Higher Secondary Education : 92.3%
- 2016 New India School, Maharashtra State Board of Secondary and Higher Secondary Education : 93.8%

SKILLS

- Languages** Python, C++, C, HTML, CSS, JavaScript, Bash and Shell Scripting
- Web** NodeJs, MongoDB, Django, MySQL
- Misc.** Git, Heroku

EXPERIENCE

SUMMER INTERN, TALENTPOD TECHSERVE, BANGALORE

MAY - JULY 2019

github.com/vrukshanikam/snowflake

- Built a Django web application with a user's social media reliant MongoDB database and a TensorFlow powered low level cognitive filtering news recommendation system.
- Used news APIs for searching and retrieving live articles from all over the web with various criteria such as keywords, phrases, date published, relevancy where the queries and keywords were extracted from user's emails such as keywords in the sender/receiver, subject, tf-idf ranked keywords in the mail body
- Experimented with various libraries such as NLTK, TensorFlow, Keras, scikit-learn for better news article classification, keyword extraction, and document analysis to improve the relevancy between the news articles and the user's mails
- Integrated gmail APIs to enable the user to read and send gmail messages

Django MongoDB TensorFlow Keras

PROJECTS

DIFFERENTIAL TEXT HIGHLIGHTER, ASSOCIATION OF COMPUTING ACTIVITIES, IIT KANPUR

FEB - MARCH 2020

Built a text highlighter that highlights text differentially on the basis of importance of sentences using NLTK. Mentored a group of six students on the basics of Natural Language Processing.

NLTK tf-idf

THEORETICAL ASPECTS OF COMPUTER SCIENCE, ASSOCIATION OF COMPUTING ACTIVITIES, IIT KANPUR

FEB - MARCH 2019

Dived deeper into the concepts of Turing Machines, Undecidability, Context-free grammars and languages, Finite Automata, Regular Expressions etc.

DFA PDA CFL NP

O-AUTH APPLICATION, SELF PROJECT

JULY 2019

github.com/vrukshanikam/oauth-playlist

Built a basic express application with OAuth authentication with a MongoDB reliant database

JavaScript OAuth Passport.js MongoDB

RELEVANT COURSEWORK

- Introduction to Programming
- Multivariable Calculus | Linear Algebra
- Partial Differential Equations | Complex Analysis
- Introduction to Electrical Engineering | Power Electronics
- Engineering Design and Graphics | Manufacturing Processes
- Dynamics | Thermodynamics
- Mechanics of Solids | Fluid Mechanics
- Nature and Properties of Materials

POSITIONS OF RESPONSIBILITY

- **Senior Executive, Entrepreneurship Cell, IIT Kanpur**
Part of the team responsible for incubating start-up culture on campus, organizing various events like E-Summit, TedX
- **Secretary, Book Club, IIT Kanpur**
Administer the circulation of books and overall functioning of the book club
- **Counselling Services, IIT Kanpur**
Academic Mentor Providing academic assistance to the freshmen
Student Guide Helping freshmen acclimatise to the new campus environment initially, guide and help them throughout the academic year

HONOURS AND AWARDS

- Cleared Regional Mathematics Olympiad (RMO'17)
- Goethe Zertifikat A2 Fit in Deutsch A1 (German Examination A2)
- Goethe Zertifikat A1 Fit in Deutsch A1 (German Examination A1)
- Pitch Prime'19 Winner
- Meticulous Performance Certificate MTSE'16
- Bharatnatyam Prarambhik