

Honey NIKAM

Junior Undergrad

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SKILLS

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

EDUCATION

2022 **Indian Institute of Technology, Kanpur** - Bachelor of Technology - Mechanical Engineering
Cumulative Grade Point Average : **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%

PROJECTS

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 exploring various optimisation and loss- reduction algorithms for better news article classification, keyword extraction, document analysis and sentiment capturing 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 API

PROJECTS

DIFFERENTIAL TEXT HIGHLIGHTER, ASSOCIATION OF COMPUTING ACTIVITIES, IIT KANPUR

FEB-MARCH 2020

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

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 Electronics
- > Introduction to Electrical Engineering
- > Machine Learning *i*
- > Introduction to TensorFlow for Artificial Intelligence, Machine Learning and Deep Learning *i*
- > Natural Language Processing in TensorFlow *i*
i : coursera

POSITIONS OF RESPONSIBILITY

> Entrepreneurship Cell, IIT Kanpur, Senior Executive

Part of the team responsible for incubating start-up culture on campus, helping potential start-ups to get the right mentor-ship and platform, organizing various events like IIT Kanpur's annual entrepreneurship event, E-Summit, TedX

> Book Club, IIT Kanpur, Secretary

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