

# Vruksha Nikam

## Sophomore | Undergrad

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## EDUCATION

2018-2022 Indian Institute of Technology, Kanpur- Bachelor of Technology - Mechanical Engineering

**Cumulative Grade Point Average : 8.73/10 ~ (3.49/4)**

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 : 93.4%

## SKILLS

**Languages** C, Python, C++, HTML, CSS, JavaScript, Bash and Shell Scripting

**Web** NodeJs, MongoDB, Django

**Misc.** Git, Heroku

## EXPERIENCE

**Summer Intern, Talentpod Techserve, Bangalore**

May-Jul 2019

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.

- > integrated gmail APIs to build a web page similar to a web client enabling the user to read and send gmail messages
- > 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.

## PROJECTS

**Theoretical Aspects of Computer Science, Association of Computer Activities, IIT Kanpur**

Feb-March 2019

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

## RELEVANT COURSEWORK

- > Introduction to Programming
  - > Multivariable Calculus
  - > Linear Algebra
  - > Partial Differential Equations
  - > Complex Analysis
  - > Introduction to Electronics
  - > Machine Learning *i*
  - > Introduction to TensorFlow for Artificial Intelligence, Machine Learning and Deep Learning *i*
  - > Natural Language Processing in TensorFlow *i*
  - > Introduction to Cyber Security *i*
- (*i*: Coursera)

## POSITIONS OF RESPONSIBILITY

**Entrepreneurship Cell, IIT Kanpur, Junior 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

## ★ HONOURS & AWARDS

- > PitchPrime'19 Winner (an idea pitching event for the students of IITK)
- > Cleared Regional (State-Level) Mathematics Olympiad (RMO'17)
- > Meticulous Performance Certificate, Maharashtra Talent Search Examination (MTSE'16)
- > Goethe Zertifikat A2 Fit in Deutsch A1 (German Examination A2)
- > Goethe Zertifikat A1 Fit in Deutsch A1 (German Examination A1)
- > Bharatnatyam Prarambhik (Indian Classical Dance Examination)