

#### JUNIOR UNDERGRADUATE · ELECTRICAL ENGINEERING

Indian Institute of Technology Kanpur, India

## **Education**

**Indian Institute of Technology Kanpur** 

Kanpur, India

BACHELOR OF TECHNOLOGY, ELECTRICAL ENGINEERING · CGPA: 8.9 / 10.0

2018 - 2022 (exp.)

National Public School Indiranagar

Bangalore, India

CBSE BOARD · SCHOOL TOPPER AMONG ALL STREAMS · SCORE: 97.4%

2018

Baldwin Girls' High School

Bangalore, India

ICSE Examination · School topper · Score: 97.8%

2016 ariguiore, iriaia

# Honors & Awards \_\_\_\_

#### **ACADEMIC**

2018	All India Rank 1299, Joint Entrance Examination (Advanced) (among 160,000 candidates)	India
2018	All India Rank 626, Joint Entrance Examination (Main) (among 1.1 million candidates)	India
2017	All India Rank 101, Kishore Vaigyanik Protsahan Yojana, Indian Institute of Science	Bangalore, India
2013	International Rank 2, International Cyber Olympiad, Science Olympiad Foundation	India
2013	International Rank 8, International English Olympiad, Science Olympiad Foundation	India
2013	International Rank 23, International Mathematics Olympiad, Science Olympiad Foundation	India
2010-15	Efficiency Trophy, Best Academic Performance across the batch	Bangalore, India

#### CO-CURRICULAR

2016	Young Scientist of the Year, received from Late Dr. APJ Abdul Kalam	Bangalore, India
2016	Best Vice Captain Award, Baldwin Girls' High School	Bangalore, India
2014	City Topper, The Times NIE Think and Learn Challenge	Bangalore, India
2012	National Rank 2, Max Life Insurance iGenius Scholarships among 100,000 students	India

# **Work Experience**

#### **CSE@IITK Summer of Code**

Kanpur, India

PARTICIPANT · • SMART PURCHASE APP

May 2019 - Jul. 2019

- $\bullet \ \ \text{Built an application to centralize inventory and streamline financial transactions for the NGO Vitraag Vigyaan.}$
- Developed a full stack web application using the MERN stack and worked primarily on the frontend using ReactJS.

### **Technovation Challenge**

Bangalore, India

PARTICIPANT · CLINTON GLOBAL INITIATIVE

Feb. 2014 - Jul. 2014

- Designed an application to help high school girls explore different career options through a virtual game setting.
- Led team of 5 to build and deploy mobile app developed using MIT App Inventor 2 and Google Fusion Tables.
- · Presented the application, business plan, and implementation vision at the Regional Pitch Event in Bangalore.

# STUDENT INTERN · SPARK CATCH THEM YOUNG PROGRAM

Bangalore, India

April 2014

- Topper of a batch of 40 students, selected from over 1000 candidates across Bangalore to receive training in a corporate environment.
- · Attended workshops on cloud computing, software development methodology analysis, databases, and business presentations.
- Built a small-scale, standalone application using C# for web-based IT services within a span of 2 weeks.

# **Projects**

Infosys Ltd.

### **Evaluating Neural Word Embeddings for Sanskrit**

IIT Kanpur

Summer Project under Prof. Pawan Goyal, IIT Kharagpur

May 2020 - Jul. 2020

- Implemented 3 categories of neural word embeddings in Sanskrit and examined the quality of 2 embedding models per category.
- Performed extrinsic evaluation using POS tagging, dependency parsing and multi-class classification, and intrinsic evaluation using synonym detection, concept categorization and analogy prediction.
- Evaluated the efficacy of word embeddings approaches that were initially proposed for other languages and identified the challenges posed by the low resources and rich morphological nature of Sanskrit.

Life@IITK IIT Kanpur

PROGRAMMING CLUB, IIT KANPUR · D LIFE-IITK

May 2019 - Jul. 2019

 Designed a unified web app for activities, updates, and personal scheduling including individual academic and non-academic studentbody updates on campus.

• Developed the front end for application using ReactJS for the web application and React Native for mobile application.

### **Envy-free Hostel Room Allocation App**

IIT Kanpur

Course Project under Prof. Swaprava Nath · 🖸 Fair Rent Division

Feb. 2019 - Apr. 2019

- Created an application to find a fair and envy-free room and price allocation for a hostel.
- Implemented the Hungarian Algorithm to find a maximum weighted bipartite matching using the Python libraries SciPy and PuLP.

**AirHockey**Bangalore, India

SCHOOL PROJECT · • AIRHOCKEY

Sep. 2017 - Nov. 2017

• Developed the game Air Hockey using PyGame in Python as a practical application project for Computer Science, AISSCE 2018.

• Incorporated file handling to record scores and included friction in the game dynamics to help the computer play against human player.

## Skills\_

**Languages** Python, C, C++, Java, JavaScript

**Libraries** TensorFlow, spaCy, NumPy, pandas, PyGame **Web** React, Node.js, MongoDB, Express.js, Ruby on Rails

Utilities Git, LTFX, MATLAB, GNU Octave

## **Relevant Coursework**

#### Core Electrical

Microelectronics Control System Design and Analysis Signals, Systems and Networks Introduction to Power Systems

#### **Mathematics**

Probability and Statistics Linear Algebra Ordinary & Partial Differential Equations Real & Complex Analysis

#### **Humanities**

Foundations of Cognitive Science
Bilingualism
Language and Society
Introduction to Literature

# Positions of Responsibility\_

2019-20	Student Guide, Counselling Service	IIT Kanpur
2019-20	Academic Mentor, Counselling Service	IIT Kanpur
2019-20	Secretary, Programming Club	IIT Kanpur
2019-20	<b>Secretary</b> , English Literary Society	IIT Kanpur
2015-16	House Vice Captain, Baldwin Girls' High School	Bangalore, India

## Miscellaneous

- · Organized an orientation session in Goldman Sachs as a panelist representing the Technovation Alumni.
- Secured 1st place in Freestyle (40 m) at college level swimming event.
- Won Gold Medal at the State level Roller Skating Competition (Andhra Pradesh, 2008).
- Participated and won quizzing competitions including Derek's Faster Smarter Better Challenge and Times NIE Quizomania.