

# Harshit Kumar

SOPHOMORE UNDERGRADUATE · COMPUTER SCIENCE AND ENGINEERING

Indian Institute of Technology, Kanpur

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## Educational Qualifications

Year	Degree	Institution	CGPA/%
July'17 – Present	B.Tech, CSE	Indian Institute of Technology, Kanpur	8.78/10.00
2017	CBSE – XII	RPS Public School, Muzaffarpur	91.4%
2015	CBSE – X	Sunshine Prep./High School, Muzaffarpur	10.0/10.0

## Scholastic Achievements

2017	All India Rank 206, Joint Entrance Exam Advanced	India
2017	All India Rank 1604, Joint Entrance Exam Mains	India
2016	National top 1%, NSEP (organized by IAPT)	Rajasthan, India
2016	State top 1%, NSEC, NSEA (organized by IAPT)	Rajasthan, India

## Projects

### Summer Of Code by Nutanix and Govt. of UP

IIT Kanpur

THE LUNCHBOX - UNIFIED PLATFORM FOR PAYMENTS AND ORDERING FOOD{PHP,MySQL,JS}

May 2018-July 2018

- Actively Contributed as a Full Stack developer with a team of 5 people, creating a platform, primarily aimed at promoting transparency in canteen bills and providing way to keep track of expenses(for customers) and sales stats(for canteens).
- Implemented **canteen recommendation algorithm** which compares prices among all the vendors and also shows the order backlog for each canteen thereby suggesting the most convenient place for users to eat.
- Implemented **food recommendation algorithm** which compares food items based on parameters like rating, price, etc.
- Promoted transparency by giving access to customers to see their order history at any date or in a given interval of time.
- Used Prepared statements to prevent the site from SQL injection.

### BFS

IIT Kanpur

ASSOCIATION OF COMPUTING ACTIVITIES

Feb, 2017 - June, 2017

- Learned basics of BASH, Cryptography and Machine Learning.
- Done assignments in BASH using sed, grep, awk command.
- Built a **Movie Review Categoriser** using Naive Bayes Classifier Technique to classify reviews into positive or negative with an estimated accuracy of **75.1%** on the test data.

### Foldable Fussball Table

IIT Kanpur

MANUFACTURING PROCESSES

Aug, 2018 - Nov, 2018

- Designed a Fussball table which can be folded in the form of Briefcase.
- Compiled a 3D model on AutoCAD and Fusion360 of our project along with various part drawings.
- Wrote project report containing the material required, Parts to be made and Work distribution.

### Self-Projects

TO LEARN NEW CONCEPTS

- Shell Script - Created a file searching command in BASH using Recursion in file tree.
- Nodejs - Created a CLI to access data related to NSE stocks in javascript.
- Nodejs - Build a REST Api to perform CRUD operation.
- Nodejs - Build a web scraper to scrape the codechef contest details.

## Relevant Courses

Introduction to Programming, Computational Methods in Engineering, Introduction to logic  
Calculus and Real Analysis, Linear Algebra and Ordinary Differential Equations, Discrete Mathematics, Probability  
Data structure and algorithm(i), Computer Organization(i)

i: In progress

## Positions of Responsibility

## Company Coordinator

STUDENT PLACEMENT OFFICE

IIT Kanpur

Aug,2018-Present

- Coordinated with a 4-tier students placement team of the campus to ensure a smooth conduct of the company placement procedures.
- Facilitated the company officials in conducting their online and offline tests and interviews to help them in shortlisting candidates for the final interview rounds.
- Acted as a mediator between the officials and candidates and conveyed every small detail for both sides

## Skills

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**Programming** C/C++, Python, Matlab, Javascript, BASH

**Web** PHP, MySQL, Express.js with Node.js, HTML, CSS, JavaScript

**Utilities** Linux shell utilities, Git, L<sup>A</sup>T<sub>E</sub>X(basic)

**Miscellaneous** Basics of Machine Learning