

# 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 1614, 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.

## Positions of Responsibility

### Company Coordinator

IIT Kanpur

STUDENT PLACEMENT OFFICE

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

## Relevant Courses

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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

## 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(basic), L<sup>A</sup>T<sub>E</sub>X(basic)

**Miscellaneous** Basics of Machine Learning