

Jayesh Shaw

Third Year Undergraduate, IIT Kanpur
Department of Computer Science and Engineering

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Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2018 - Present	B.Tech in Computer Science and Engineering	Indian Institute of Technology, Kanpur	9.8/10
2018	Class XII (WBCHSE)	Ramakrishna Mission Vidyalaya Narendrapur	96.2%
2016	Class X (WBBSE)	Ramakrishna Mission Vidyalaya Narendrapur	94%

Scholastic Achievements

- Received **Academic Excellence Award** in academic years **2018-19** and **2019-20** for exceptional performance in academics
- INMO Awardee** in 2017 for being among the top 30 students among 600+ participants in Indian National Mathematical Olympiad and attended the **IMO Training Camp** at Homi Bhabha Center for Science Education, Mumbai
- Secured **All India Rank 521** in **JEE Advanced 2018** among 230,000 shortlisted candidates, conducted by IIT Kanpur
- Achieved **All India Rank 281** in **JEE Mains 2018** among more than 1.2 million candidates, conducted by the CBSE
- Secured **All India Rank 21** in **West Bengal Joint Entrance Examination 2018** among more than 1.25 lakh candidates
- Awarded **KVPY 2016** fellowship, securing **All India Rank 282** conducted by IISc Bangalore
- Recipient of the **JBNSTS Junior Scholarship** by Jagadish Bose National Talent Search in the year 2016
- Among **top 1%** in **NSEA 2017**, and qualified for **INAO** conducted by Indian Association of Physics Teachers in 2017

Projects

Smart Purchase Web-App

May'19 - July'19

IIT Kanpur Summer of Code

Github

- Developed a purchase management Web-App for the NGO Vitraag Vigyaan to keep track of inventory items and purchases
- Efficiently implemented functionalities to facilitate inter departmental transfers and request management system
- Worked in a team of 5 to implement the necessary tech in **MERN**(MongoDB, ExpressJs, ReactJS, NodeJs) stack.

Algorithms InDepth

May'19 - July'19

Programming Club IIT Kanpur

- A learning project which involved the study as well as implementation of various algorithms and Data Structures
- Regular discussions on various topics along with extensive study and assignments were carried out
- Among many topics studied, basics of Graph theory, String Matching, and Dynamic Programming were a few

Competitive Programming

- Codeforces[handle: jayeshaw]**: Among **top 50** Indians, Max Rating **2224(Master)**, with active participation in contests
- CodeChef[handle: jayeshaw]**: Among **top 200** Indians, Max Rating **2279(6*)**, with regular participation in contests
- Google Kickstart 2020**: Secured rank **112** in Round D and rank **455** in Round C among more than 10,000 participants

Technical Skills

Programming: C, C++, Python

Familiar: Verilog, Javascript, SQL, Haskell

Utilities: Git, \LaTeX , Bash

Development: Nodejs, MongoDB, ReactJS, HTML, CSS

Relevant Coursework

Data Structures and Algorithms

Software Development and Operations

Computer Organization

Discrete Mathematics

Logic in Computer Science

Fundamentals of Programming(A*)

Linear Algebra and ODE

Complex Variables(A*)

Multivariate Calculus(A*)

A* - Grade for Exceptional Performance

Positions of Responsibility

Project Mentor, Programming Club IIT Kanpur

May'20 - July'20

- Mentored a group of 30 students, from both first and second years to help them learn Competitive Programming
- Conducted regular contests, 10+, and published tutorial blogs on various topics to help the students learn them

Secretary, Programming Club IIT Kanpur:

Sept'19 - Mar'20

- Organized regular lectures, workshops and contests to inculcate the programming culture in campus

Secretary, Academics and Career Council IIT Kanpur:

Sept'19 - Mar'20

- Wrote a Python script in order to automate the branch change process, which was previously done manually
- Organized regular lectures to make students aware of the undergraduate academic structure