Jayesh Shaw

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Department of Computer Science and Engineering   ⚫ jayeshaw | **in** jayeshshaw

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**: Secured rank **112** in Round D, 2020 and rank **455** in Round C, 2020 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