AKSHAT JHA
FRESHMAN @ IIT DELHI

cs1221101@iitd.ac.in
https://akshatjha.com

EDUCATION

BTech (Bachelors of Technology)   2022 – 26
Computer Science & Engineering
Semester 1 GPA – 10.0/10.0

Intermediate in Science, CBSE   2020 – 22
English, Physics, Chemistry, Mathematics, Computer Science, Library & Information Science
Class XI: 93% (Class Rank 1)
Class XII: 97.6% (Class Rank 1)

Secondary Matriculation, CBSE   2018 – 20
English – Language & Literature, Hindi – B, Mathematics – Standard, Science, Social Science
Class IX: 92% (Class Rank 1)
Class X: 96.6% (Class Rank 1)

LANGUAGES | SKILLS

Maithili – Native | **Web Development**
English – Proficient | **Android Development**
Hindi – Proficient | **MATLAB**
Urdu – Proficient | **Python**
Arabic – Basic | **HTML, CSS, JS, SQL**

WORK EXPERIENCE

COO, Millennial Mentor   2020 – 2021
Helping high school students connect with mentors who have experienced the college admission process first hand at affordable rates.
Responsibilities: Creation of educational content, recruitment of mentors and development of web and mobile applications
Reference: Anish Gurjar

PROJECTS & ACTIVITIES

Dina Academy
Dina Academy is a free-to-use online website that helps people learn concepts in math and science. It has over 500 videos and 1000+ problems.

Mathematics Research – Euclid Lab
Proved some special cases of the Collatz Conjecture and the Perfect Cuboid Problem
Reference: Dr. Nick Castro

Math & CS Summer Camps
Selected for MathPath 2018 & 2019 with full financial aid of $6,000
Selected for AwesomeMath Summer Program
Selected for Convergence Math Summer Program after qualifying IIITD's Convergence Math Olympiad

SELECTED HONORS & AWARDS

INCHO Gold Medal   May 2022
Selected for Chemistry OCSC (Orientation cum Selection Camp) conducted by Homi Bhabha Centre for Science Education (HBCSE), TIFR. Top 49 out of 18,000+ NSEC aspirants.

KVPY SX & SA Fellowship   May 2021, 2022
Kishore Vaigyanik Protsahan Yojana SA (2020) and SX (2021) fellowship.
Awarded to <1% out of 1.5 lakh applicants.

NPTEL Star in Mathematics   April 2020
Certificate of Appreciation from National Programme in Technology Enhanced Learning (NPTEL) for performance in courses in Mathematics and Statistics.
Gold Medal – Multivariable Calculus, Discrete Mathematics.
Silver Medal – Graph Theory, Mathematical Methods and Applications, Basic Linear Algebra, Integral and Vector Calculus.
Topper – Multivariable Calculus, Integral and Vector Calculus.

Winner – CBSE Science Exhibition 2020   Dec 2019
Received award from CBSE for the project Road Accident Prevention and Investigation Device (RAPID).

Science, Maths and Informatics Olympiad Qualifier
IAPT National Standard Examinations – Astronomy (Top 200 out of 10,000+), Physics (Top 300 out of 30,000+), Chemistry (National Top 1%)
MTAI Pre-Regional Mathematics Olympiad
IARCS Zonal Informatics Olympiad

Winner – Full College Scholarship   Dec 2018
Received the IIT Genius Fellowship that covers all costs of studying in IITs.

COURSES

Course	Date
Calculus 1: MITx on edX	Sept 2017
Multivariable Calculus: IITR on NPTEL	April 2018
Discrete Mathematics: IITRPR on NPTEL	Nov 2018
Mathematical Methods – Transform Calculus and Differential Equations (ODEs + PDEs): IITR on NPTEL	April 2019
Integral and Vector Calculus: IITK on NPTEL	April 2019
Graph Theory: IISERP on NPTEL	April 2019
Introduction to Programming with MATLAB: VanderbiltU on Coursera	July 2020
Advanced Linear Algebra: UTAustin on edX	Nov 2020
Intro to Probability and Statistics: IITM on NPTEL	Nov 2018
Machine Learning: Stanford on Coursera	Ongoing
Complex Analysis: WesleyanU on Coursera	Ongoing
Mastering Programming with MATLAB: VanderbiltU on Coursera	Ongoing
Introduction to Enumerative Combinatorics: HSE University on Coursera	Ongoing