

Akshat Jha

Email: akshatjha.cs122@cse.iitd.ac.in

Linkedin: [/akshatjha](https://www.linkedin.com/in/akshatjha)
Website: akshatjha.com

EDUCATION

- **Indian Institute of Technology Delhi**

Bachelor of Technology in Computer Science and Engineering; GPA: 9.973/10.0

November 2022 - June 2026

Coursework at IITD: Data Structures and Algorithms, Probability and Stochastic Processes, Digital Logic and System Design, Discrete Mathematics, Physics of Electronic Materials, Real Analysis, Linear Algebra, Multivariable Calculus, Ordinary Differential Equations, Quantum Mechanics, Introduction to Electrical Engineering

Other Courses: Statistical Learning, Machine Learning, Transform Calculus, Ordinary and Partial Differential Equations

- **AK Children Academy Raj Nagar Extension**

Physics, Chemistry, Math, Computer Science, English; Grade: 97.6%

July 2018 - May 2022

Class Rank 1

EXPERIENCE

- **Information and Communication Technologies and Development (ICTD) Lab, IIT Delhi**

Undergraduate Student Researcher

May 2023 - Aug 2023

- Developed Causal ML models to predict the changes in vegetation patterns due to public water management projects
- Developed a web application for visualizing research done by the Natural Resource Management Team of School of IT, IIT Delhi
- Tools used: Python, Django, EconML, Google Earth Engine, JavaScript, R
- Reference - [Prof. Aaditeshwar Seth, SIT IIT Delhi](#)

ACHIEVEMENTS AND HONORS

- **IIT Delhi Merit Award** - Awarded for achieving 10 SGPA in Semester 1 2022-23 and 9.95 SGPA in Semester 2 2022-23
- **Indian National Chemistry Olympiad 2022 Gold Medal** - Top 53 out of 19,000+ Chemistry Olympiad Aspirants. Eligible for Chemistry Orientation cum Selection Camp at HBCSE, Tata Institute of Fundamental Research
- **National Standard Examinations and Olympiads** - National Top 1% in National Standard Examination in Physics, Chemistry and Astronomy. Qualified for Indian National Olympiads for Physics, Chemistry, Astronomy and Informatics
- **Kishore Vaigyanik Protsahan Yojana Scholar** - Awarded KVPY SX 2022 and KVPY 2021 SA Fellowship by the Indian Institute of Science, Bangalore
- **JEE Main 2022** - 99.98 Percentile. 100 Percentile in Physics. Score - 286/300. Ranked 245 out of 1.03 million candidates
- **JEE Advanced 2022** - All India Rank 264 out of 155,538 candidates
- **NPTEL Star in Mathematics** - Received Discipline Star from National Programme in Technology Enhanced Learning, IIT Madras for being top performer in courses in Mathematics and Statistics
- **Tower Research Data Challenge** - Ranked amongst the top 100 teams in Limestone Tower Research Data Challenge
- **Research @ Euclid Lab, Georgia** - Prof. David Gay, University of Georgia and Prof. Nick Castro, Rice University. Published research on Looping and Divergence in Collatz Conjecture in the National High School Journal of Science

SKILLS

- **Languages:** English, Maithili, Hindi, Urdu (Limited Working Proficiency)
- **Programming Languages:** Python, C++, C, JavaScript, R, VHDL
- **Software and Packages:** Django, ElectronJS, AutoCAD, Google Earth Engine, LeafletJS, LTSpice, NumPy, SciPy, Pandas, Folium

RESPONSIBILITIES

- **Executive, ACES-ACM IITD:** Executive of ACES-ACM, the Association for Computer Engineers and Scientists and the official ACM student chapter of IIT Delhi
- **Representative, Quizzing Club IITD:** Representative of Quizzing Club IIT Delhi for the 2023-24 tenure
- **Executive, Indradhanu IITD:** Handled web development and events management for Indradhanu IITD (Office of Diversity and Inclusion)