

# Akshat Jha

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## EDUCATION

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- **Indian Institute of Technology Delhi**

*Bachelor of Technology in Computer Science and Engineering; GPA: 9.965/10.0*

*November 2022 - June 2026*

**Institute Rank 2**

**Coursework at IITD:** Data Structures and Algorithms, Probability and Stochastic Processes, Programming Languages, Numerical Algorithms (*Graduate*), Computer Architecture, Digital Logic and System Design, Discrete Mathematics, Real Analysis, Linear Algebra, Multivariable Calculus, Ordinary Differential Equations, Quantum Mechanics, Introduction to Electrical Engineering, Signals and Systems, Microeconomics

- **AK Children Academy Raj Nagar Extension**

**Class Rank 1**

*AISSCE 2022:* Physics, Chemistry, Math, Computer Science, English, Library and Information Science      Grade: 97.6%

*AISSE 2020:* Mathematics, English - Language and Literature, Science, Social Science, Hindi      Grade: 96.6%

## EXPERIENCE

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- **Algorithms-Biology-Structure Group, INRIA Sophia Antipolis**

*Visiting Student Researcher*

*May 2024 - In Progress*

- **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 waters projects.
- Developed a web application for visualizing research done by the Natural Resource Management Team of SIT, IITD
- Tools used: Python, Django, EconML, Google Earth Engine, JavaScript, R
- Reference - [Prof. Aaditeshwar Seth, SIT IIT Delhi](#)

## ACHIEVEMENTS

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- **IIT Delhi Merit Award-** Awarded for achieving 10 Semester GPA in Semester 1 2022-23, 9.95 Semester GPA in Semester 2 2022-23, 9.9 Semester GPA in Semester 1 2023-24 and 10 Semester GPA in Semester 2 2023-24
- **HSE Saint Petersburg Students Week-** Invited by HSE University, St. Petersburg, for a fully funded trip to attend Computer Science and Engineering lectures and workshops in the Saint Petersburg Campus in June 2024
- **Jane Street SEE-** Selected among the top 50 students from IITs to visit Jane Street's Hong Kong office in December 2023, completing workshops on Trading and Software Engineering
- **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

## SKILLS

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- **Programming Languages:** Python, C++, JavaScript, R, VHDL, Verilog
- **Software and Packages:** Django, ElectronJS, AutoCAD, Google Earth Engine, LeafletJS, LTSpice, NumPy, SciPy, Pandas, Folium

## RESPONSIBILITIES

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- **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)