

Akshat Jha

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EDUCATION

- **Indian Institute of Technology Delhi**

Bachelor of Technology in Computer Science and Engineering; GPA: 9.95/10.0

November 2022 - June 2026

Institute Rank 3

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

- **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

- **IIT Delhi Merit Award-** Awarded for achieving 10 Semester GPA in Semester 1 2022-23, 9.95 Semester GPA in Semester 2 2022-23 and 9.9 Semester GPA in Semester 1 2023-24
- **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

PROJECTS

- **Zera: A Multi-platform e-Commerce Application**

Personal Project

- Developed an Android application using Flutter integrating Firebase Cloud Storage and Authentication and Stripe
- Developed and deployed a Django web application on Microsoft Azure Platform as a REST API
- Developed a chatbot designed for a marketplace website using NLTK and spaCy

SKILLS

- **Programming Languages:** Python, C++, JavaScript, R, VHDL, Verilog
- **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)