Akshat Jha

Email: cs1221101@cse.iitd.ac.in

Linkedin: /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*
  Department Rank 1 — Institute Rank 1
  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 Technology for Development (ICTD) Lab, IIT Delhi**
  Undergraduate Student Researcher   *May 2023 - Present*
  - 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 School of IT, IIT Delhi
  - Tools used: Python, Django, EconML, Google Earth Engine, JavaScript, R
  - Reference - Prof. Aaditeshwar Seth, SIT IIT Delhi

SCHOLASTIC ACHIEVEMENTS

- **Institute Rank 1**- Highest Cummulative Grade Point Average (9.973/10) amongst all students in IIT Delhi
- **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

PROJECTS

- **Zera: A Multi-platform e-Commerce Application**
  Personal Project
  - Developed an Android application using Flutter integrating Firebase Cloud Storage and Authentication and Stripe Payment
  - 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

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

RESPONSIBILITIES

- **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)
- **Hostel Representative, BRCA IITD:** Representative of Satpura House in the Board for Recreational and Creative Activities IIT Delhi