# Priyanshu Agrawal

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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 - April 2026*

- **St. Xavier's Sr. Sec. School Delhi**
  *Science, Math; Grade:100%*
  *Computer Science; Grade: 96%*      *July 2009 - May 2022*
  President, Srijan Club - Representative of body of 1000+ students

## PROJECTS

- **Calculator Application**
  *Course Project under Prof. Abhijnan Chakraborty*      *June 2023*
  – Developed a Calculator Application using Python and Tkinter, adhering to object-oriented programming principles.
  – Implemented input validation, expression parsing, and history tracking for user-friendly functionality.

- **Digital to Analog converter**
  *Project under Prof. Rakesh Kumar Palani*      *June 2023*
  – Designed functional DAC circuit using R-2R ladder and LM741 operational amplifier to convert digital signals into analog signals.
  – Completed as part of the ELP101 course at IIT Delhi under the supervision of Prof. Rakesh Kumar Palani.

- **Vertical Bicycle Stand**
  *Project Team Leader under Prof. Sivanandam Aravindan*      *Dec 2022 - Jan 2023*
  – Led a team in designing and assembling a space-efficient vertical cycle stand.
  – Project exhibited at the Annual Exhibition of the Mechanical Department.
  – Part of the MCP101 (Product Realization through Manufacturing) course at IIT Delhi.

## KEY COURSES

- **Computer Science** - Data Structures and Algorithms, Digital Logic and System Design, Signals and Systems, Programming Languages, Computer Architecture (Including those to be completed by Summer 2024)
- **Mathematics**- Discrete Mathematical Structures, Probability and Stochastic Processes, Linear Algebra, Differential Equations, Calculus
- **Miscellaneous**- Quantum Mechanics, Electrodynamics, Engineering Design and Communication, Engineering Mechanics, Product Realization through Manufacturing, Introduction to Electrical Engineering

## HONORS AND AWARDS

- **IIT Delhi Endowment Merit Fellowship - 2022**- Awarded for excellent academic performance
- **JEE ADVANCED 2022**- Secured All India Rank 169 among 250,000+ Candidates.
- **JEE MAINS 2022**- Secured All India Rank 244 among 1 million candidates.
- **NTSE Scholar 2020**- National Council of Education Research and Training (NCERT), India
- **KVPY SA Scholar 2021**- Department of Science and Technology, Government of India

## SKILLS

- **Languages:** English (Fluent), Hindi (Native)
- **Technical Skills:** C, C++ (Proficient in Object-Oriented Programming and Standard Template Library), Python (Proficient in Numpy, Pandas, Matplotlib, Tkinter)
- **Softwares:** AutoDesk Inventor (3D Modelling Software), LTSpice
- **Hobbies:** Swimming(Part of the College Aquatics Team), Badminton, Watching movies