

# Nikhil Pothuganti

2nd Year Undergraduate  
Department of Computer Science and Engineering

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## Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2023 - Present	B.Tech	Indian Institute of Technology, Kanpur	9.2/10
2023	CBSE(XII)	Maharishi Vidya Mandir Senior Secondary School, Chennai	96.2%
2021	CBSE(X)	Maharishi Vidya Mandir Senior Secondary School, Chennai	93.8%

## Scholastic Achievements

- Secured **All India Rank 156** in **JEE Advanced 2023** conducted by IIT Guwahati, among 1.8+ Lakh shortlisted candidates.
- Secured **All India Rank 275** in **JEE Mains 2023** conducted by NTA, among 1.1+ million applicants.
- Secured **All India Rank 812** in **KYPY - SA 2021-22** conducted by Indian Institute of Science.
- Received the **Academic Excellence Award** for exceptional academic performance in 2023-24 academic session.
- Received the **Director’s Scholarship** for being among the Top AIR in IIT Kanpur.
- Among the top 2000 recipients of **National Talent Search Examination Scholarship 2021** issued by the Govt. of India.
- Amongst the **State Top 1%** in the National Standard Examination in Chemistry 2022.
- Amongst the **State Top 1%** in the National Standard Examination in Physics 2022.
- Amongst the **State Top 1%** in the Indian Olympiad Qualifier in Junior Science 2020-21 Part-I.

## Key Projects

- **Network File System** | SNT Council, Programming Club (May’24-Jul’24)
  - Understanding the infrastructure of **Computer Networks**
  - Learn basic and in-depth concepts of **Operating Systems** and **Filesystems**.
  - Implemented a **Single-threaded Web Server** in Rust and a **Very Simple Distributed File System** in C.
  - **Documentation** : NFS Goes Online

## Technical Skills

- **Programming Languages:** C, C++, Python, Rust, SQL, JavaScript, HTML, CSS
- **Utilities:** Git, L<sup>A</sup>T<sub>E</sub>X

## Interests

- Number Theory
- Algorithms
- Machine Learning
- Quantum Computing
- Operating Systems

## Relevant Courses

Data Structure and Algorithms Fundamentals of Computing Introduction to Electronics	Discrete Mathematics in Computer Science Linear algebra and Differential Equations IIT KANPUR PYTHON for Artificial Intelligence, Machine Learning, and Deep Learning(Organized by Prof. Aditya K. Jagannatham, EE Department, IIT Kanpur)
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## Extra Curricular Activities

- Part of the Inter-IIT Cultural Contingent as a member of the Quiz Club and the English Literary Society
- Qualified for the NICE Cryptic Crossword Competition North Zone Finals organized by IIT Madras, IIT Bombay and AICTE