Spandan Pati

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	9.0/10
2023	CBSE(XII)	Maharishi VIdya Mandir Senior Secondary School, Chennai	96.4%
2021	CBSE(X)	Maharishi Vidya Mandir, Punga	97%

Scholastic Achievements

- Secured **All India Rank 180** in **JEE Advanced 2023** among the 1.8 Lakh+ shortlisted candidates.
- Secured **All India Rank 161** in **JEE Mains 2023**, among the 11+ Lakh registered candidates.
- Secured **All India Rank 372** in **KVPY (SA) 2022**, conducted by the Indian Institute of Science.
- Was **among 11** students to qualify from Tamil Nadu for the **Indian National Mathematics Olympiad** 2022-23 conducted by the Government of India.
- Among the **top 300** nationwide to qualify for the **Indian National Chemistry Olympiad**, and **Indian National Astronomy Olympiad 2022-23** conducted by the Government of India.
- Awarded the **National Talent Search Examination 2021** scholarship by the Government of India.

Key Projects and Courses

- **Python for AI/ML and Deep Learning, IIT Kanpur** *(June '24)*
  Mentor: Prof. Aditya K Jagannatham, Department of Electrical Engineering.
  - Learnt about Linear Regression, Logistic Regression, Neural Networks, SVM Classifiers, Deep Learning, Data Clustering and Decision Tree Classifiers.
  - Built a Neural Network using PYTHON for the Boston Housing Dataset.
- **Machine Learning, Stanford (Coursera) By Andrew Ng** *(Ongoing)*

Technical Skills

- **Programming Languages:** C, C++, Python
- **Software and Libraries:** Tensorflow, scikit-learn, Keras, NumPy, AutoCad, Matplotlib, Pandas

Positions of Responsibility

- **Secretary, Chess Club** *(2024-25)*
  - Responsible for organizing chess-related activities for the institute.
  - Organized multiple chess-related competitions for the campus community. Arranged for chess coaching and capacity building activities.
- **Secretary, English Literary Society** *(2024-25)*
  - Organized word-games events for the campus community.
  - Created cryptic crosswords and word games for the monthly ELS issue.

Relevant Academic Courses

Data Structure and Algorithms	Introduction to Electronics
Fundamentals of Computing	Linear algebra and Differential Equations
Mathematics for Computer Science	Software Development and Operations
Introduction to Probability	Introduction to Computer Organisation

Extra-Curricular Activities

- FIDE Rated Chess player with a current rating of 1746.
- Captained the Telangana State Chess team in the National State Team Championship 2017.
- Awarded Best Incoming Sportsperson for Chess in IIT Kanpur, 2024.
- Part of the team representing IIT Kanpur in Chess at the Inter-IIT '23 held at IIT Gandhinagar.
- Won gold and silver in Freshers' Inferno (Chess) and Inferno (Chess), both of which are Intra-IITK Sports events.
- Represented IIT Kanpur (Chess) in Sportech '24 conducted by IIT Delhi and secured Silver, as well as in Udhghosh '23 conducted by IIT Kanpur.
- Represented IIT Kanpur in National Inter-College Crossword Expedition '24 held at IIT Delhi.
- Selected to represent IIT Kanpur in the Inter-IIT Sports Meet '24 Chess and Inter-IIT Cultural Meet '24 Cryptic Crossword.