Norah Srivastava

Third Year Undergraduate
Department of Electrical Engineering

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ACADEMIC QUALIFICATIONS

Year	Degree/Certificate	Institute	CPI/%
2022 - Present	B. Tech	Indian Institute of Technology Kanpur	7.7/10
2022	Class XII (CBSE)	Abhinav English School, Pune	94.8%
2020	Class X (ICSE)	The Bishop's Co-Ed School, Undri, Pune	96.2%

SCHOLASTIC ACHIEVEMENTS

- Secured an **All India Rank** of **3006** in **Joint Entrance Exam(Advanced)** 2021, amongst **1.5 lakh+** shortlisted candidates
- Awarded **100% tuition scholarship** for a **3-year** PCM programme at **RAO-IIT** Pune, given to the **top 0.9%** candidates
- Secured **All India Rank 7944** in **Joint Entrance Exam(Mains)** 2021 among **1.5 million** applicants, conducted by NTA
- Qualified for the **Student Undergraduate Research Graduate Excellence** Program'2024, amongst **1500+** applicants

WORK EXPERIENCE

Multi-UAV Coverage Path Planning | SURGE, IIT Kanpur 📄 ⭕ *(May'24-Jul'24)*
Mentor : Prof. Ketan Rajawat | Department of Electrical Engineering

Objective	• Engineered an **optimized** multi-UAV coverage path planning algorithm under **communication** constraints
Approach	• Crafted a **heuristic optimization** algorithm by integrating insights from over **40+** literature and papers • Integrated **BFS**, **DARP+MST**, **Boustrophedon** and other algorithms to manage communication limitations • Conducted simulations using **ArduPilot** and **SITL**, ensuring reliability and practicality for the algorithm
Outcome	• Delivered a **2%** increase in coverage efficiency and made a **communication aware** path for Multi-UAV System

INTER IIT CULTURAL MEET 6.0 *(Dec'23)*

- Bagged **Silver Medal** for Band Performance and also secured **Second Place** in the Pair on Stage category among **23 IITs**
- Assisted the contingent to clinch both the **Second Position** in Musical Arts and **Overall Second Position** in the meet

KEY PROJECTS

Business Strategy Experience Program | Finlatics 📄 *(Jun'24-Jul'24)*

Objective	• Extracted **max value** from an IT firm's data assets to help them give insights that yield better, faster decisions
Approach	• Evaluated customer demographics across **35** countries, using **profitability tree** structure and MECE principle • Engineered pivot tables and charts to clean and analyze data, **identify trends** for potential investors
Outcome	• Recommended solutions to reduce costs and increase year-on-year margin improvement rate from **11%** to **18%**

Industrial Maintenance Realm | Self Project ⭕ *(Apr'24-May'24)*

Objective	• Developed a **classifier model** in Python to predict failure type, reduce downtime, and ensure secure maintenance
Approach	• Learnt concepts of **data analytics** and manipulation, its representation, statistics, and machine learning
Outcome	• Created **5** models and successfully **tuned** the best model parameters improving accuracy from **94%** to **98%**

POSITIONS OF RESPONSIBILITY

Coordinator | Music Club | IIT Kanpur *(Apr'24-Present)*

Leadership	• Leading a **three-tier club** and managing a team of over **30+ secretaries** providing guidance • **Coordinated** a series of **9 unique summer workshops**, **2 karaoke events**, and an online competition
Initiative	• Collaborated with **alumni** and **sponsors** to secure **funding** for events and **inventory purchase** • **Released 30+ videos** on YouTube for **better reach** and **ideated** and strengthened **event execution**
Management	• Managing a club budget of **INR 150,000/-** and leading a team to foster Musical activities on campus • Successfully carried out campus-wide flagship event, **Musical Extravaganza** for **9000+ residents**
Impact	• Organized an online competition with Razespace startup, UNLEASHED, with **INR 10,000/-** worth goodies • Successfully made a **new social media handle**, Campus-Melodies, increasing reach to over **12000+** accounts

Ritambhara Secretary, Antaragni, IIT Kanpur *(Jun'23-Mar'24)*

- Collaborated with a **10-member** secretarial team to initiate negotiations with prospective sponsor companies for **Antaragni**
- Spearheaded the **Influencers Program**, successfully engaging **25+ social media influencers** to **promote** Antaragni
- Coordinated with **10+ companies** during the event to ensure brand compliance based on the **MOU**

Secretary, Games and Sports Council, IIT Kanpur *(Jun'23-Mar'24)*

- Successfully managed large-scale sports events, targeting **2000+ students**, through efficient coordination and communication
- Initiated and fostered relationships with diverse sponsors, including **Red Bull**, for major sporting events like **Inferno**
- Managed and curated content for council handles, resulting in a notable **34.7% increase** in engagement metrics

EXTRA-CURRICULAR ACTIVITIES

Management	• **Secretary, Music club**: Conducted & organised the club orientation for **1.3K+** freshers • **Academic Mentor**: Guided and mentored **30+** freshers in acclimatizing to the Institute's environment
Sports	• Chosen from **500+** candidates in Aquatics Summer Camp 2023, active member of **Aquatics Team** IITK
Cultural	• **Bagged Second Position** in the **inter-hall** cultural competition, **GALAXY** for **Solo Singing**
Volunteer Work	• Conducted singing and instrument workshops with Prayas for **underprivileged children** in grades **3-10** • Personally **mentored 5** students with **academic challenges** and spoken English issues as an AM