

Mansimar Singh Kohli

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SUMMARY

Passionate 2nd-year applied physics engineering student with keen interests in particle physics, astronomy, astrophysics, and cosmology. Proficient in applying engineering principles to explore the universe's mysteries. Eager to contribute to cutting-edge research, collaborate with experts, and make meaningful advancements in astrophysical studies.

EDUCATION

- Delhi Technological University (Btech- Engineering Physics) (2022-2026)
- Bosco Public School (XII grade – 93%) (2020-2022)

SKILLS SUMMARY

- Language: Python, C, C++(basic)
- Software: MATLAB, SolidWorks, XFLR 5
- Soft Skills: Leadership, Project Management, Time Management, Critical Thinking, Teamwork

EXPERIENCE

COSMOLOGY CLUB, Co-Head

(March 2023-Present)

- Led online and offline sessions on advanced topics in astronomy, astrophysics, and particle Physics.
- Orchestrated and coordinated offline events, managing all logistics with meticulous attention to detail.

DEPTH – Physics society, Active Member

(Aug 2023-Present)

- Facilitated online scientific discussions in the field of Physics, fostering intellectual exchange and knowledge dissemination.
- Managed offline event logistics, ensuring seamless coordination for scientific gatherings.

UAS – DTU, Airframes Technician

(Jan 2023-March 2023)

- Collaborated on the design and development of fixed-winged planes, focusing on innovative solutions and advanced technologies.
- Applied expertise in creating, assembling, and rigorously testing Unmanned Aerial Vehicles (UAVs) and fixed-winged planes to ensure optimal performance and reliability.

SHUBHAKSHIKA EDUCATIONAL SOCIETY NGO

(Apr 2023-June 2023)

- Instructed high school subjects to students facing challenges due to substance addiction.
- Compiled and prepared comprehensive official reports for CSIR funding applications on behalf of the NGO, highlighting the organization's initiatives and impact within the community.

PROJECTS

- Led a collaborative effort with a team of students at university to construct a fully functional 10-inch Reflector-Dobsonian telescope, demonstrating hands-on expertise in telescope design and assembly.
- Published a quarterly Newsletter dedicated to Physics and Space Science.
- Leading an in-house project building a campus radio telescope, showcasing commitment to advancing research infrastructure and exploring cutting-edge radio astronomy technologies.