ARPIT KHETAN

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Linkedin | **Github**

EDUCATION

Board/Course	Duration	Institute	Percentage/CGPA
B. Tech(Information Technology)	2021-2025	Delhi Technological University, New Delhi	9.19 CGPA
CBSE (Class XII)	2021	Birla School Pilani, Pilani	96.0 %
CBSE (Class X)	2019	DAV Sushil Kedia Vishwa Bharati, Kathmandu	97.4 %

PROFILE SUMMARY

Passionate about web/software development, public relations, and graphic designing, and eager to apply these skills in practical scenarios. Currently exploring and honing various skill sets while seeking opportunities for professional growth alongside my undergraduate studies.

ACADEMIC PROJECT

- **Mars Rover Prototype (NAMBI)** - *Automation*   *(October 2022 - Present)*
  - Used LIDAR, Depth Cameras, and Stereo Cameras for **simultaneous mapping and localization**.
  - **Tech Stack:** Robot Operating System (ROS), Python, KinectV2, Arduino, OpenCV.

POSITIONS OF RESPONSIBILITY

- **Director Of Operations**, Team Inferno DTU   *(March 2023 - Present)*
  Inferno DTU is a technical team of 50+ students specializing in building Mars rover prototypes and UAVs.Planned and executed various projects while coordinating with every sub-department and ensuring that innovative ideas were implemented throughout the design process.Contributor to software sub-team, enhancing rover's technological capabilities.

SKILLS AND EXTRACURRICULAR ACTIVITIES

- **Programming Languages:** C, C++, Python, Go(Basic), HTML, CSS, Javascript
- **Development tools:** Visual Studios, Xampp, Chrome Development Tools
- **Frameworks/Libraries:** ROS, OpenCV, Arduino, React Js, Bootstrap
- **Database:** MySQL, Oracle
- **Simulation:** Gazebo, Rviz
- **Communication Skills:** Hindi, English, Nepali
- **Creative Skills/Extracurricular Activities:** Photography, Cricket, Table Tennis

COMPETITIONS AND ACHIEVEMENTS

- Participated and ranked **10/18** as well and **received the award** for **"Best Project Management"** in **International Rover Challenge 2023** held at Presidency University, Yelehanka, Bangalore, India.   **(Certificate)**
- Participated and Ranked **26/36** in **University Rover Challenge 2022** at Mars Desert Research Center, **Utah, USA**
- Participated and Ranked **8/16** in **European Rover Challenge 2022** Remote Edition.   **(Certificate)**
- Participated and Ranked **8/20** in **International Rover Design Challenge 2023** organized by **Space Robotic Society.**
- Participated and Ranked **10/24** in **International Rover Design Challenge 2022** organized by the **Space Robotics Society.**   **(Certificate)**
- Our **project NOVUS** was **awarded first place** along with Rs.50,000 at **E-summit, DTU 2022**.
- Key contributor to **award-winning business plan** presentation at IRC 2023.
- Awarded a **scholarship** of Rs.10,000 for **securing Rank 1** in the First Year.

DECLARATION

- I now declare that the details furnished above are true and correct to the best of my knowledge.