

# Yuval Bansal

Roll No.: 221232

Mechanical Engineering

Indian Institute Of Technology, Kanpur

+91-8168155250

yuvalb22@iitk.ac.in

GitHub Profile

LinkedIn Profile

## EDUCATION

- |  |                   |
|--|-------------------|
| • <b>Indian Institute of Technology, Kanpur</b>        | 2022-Ongoing      |
| <i>Bachelor of Technology - Mechanical Engineering</i> | Current CPI: 7.97 |
| • <b>Delhi Public School, Maruti Kunj, Gurgaon</b>     | 2021-22           |
| <i>Class XII, Central Board of Secondary Education</i> | Percentage: 94.0  |
| • <b>Delhi Public School, Maruti Kunj, Gurgaon</b>     | 2019-20           |
| <i>Class X, Central Board of Secondary Education</i>   | Percentage: 95.6  |

## PROJECTS

- |   |                        |
|---|------------------------|
| • <b>SIV-ROS</b>  | April 2023 - June 2023 |
| <i>Learnt basics of Robot Operating System, Automation of Robots and integrated sensors into a testbot.</i> |                        |
| – Tools & technologies used: ROS Noetic, Ubuntu 20.04, Gazebo   |                        |
| • <b>Machine Learning Applications</b>  | April 2023 - June 2023 |
| <i>Implemented various Classification and Regression Models of Machine Learning on different Datasets.</i>  |                        |
| – Tools & technologies used: Numpy, Pandas, Matplotlib, Jupyter   |                        |

## TECHNICAL SKILLS AND INTERESTS

**Languages:** C, Python, L<sup>A</sup>T<sub>E</sub>X

**Skills:** Supervised ML Models, ReactJS, NextJS, Fusion 360 (CAD)

**Areas of Interest:** Machine Learning, Robotics, Computer Vision

## COURSES

- |   |           |
|---|-----------|
| • <b>Advanced Learning Algorithms</b>                               | July 2023 |
| <i>DeepLearning.AI</i>  |           |
| • <b>Supervised Machine Learning: Regression and Classification</b> | June 2023 |
| <i>DeepLearning.AI</i>  |           |

## POSITIONS OF RESPONSIBILITY

- |   |                       |
|---|-----------------------|
| • <b>Secretary</b> , Robotics Club, IIT Kanpur                      | June 2023 - Ongoing   |
| • <b>Secretary</b> , Music Club, IIT Kanpur                         | June 2023 - Ongoing   |
| • <b>Academic Mentor - ESC101</b> , Counselling Service, IIT Kanpur | August 2023 - Ongoing |

## EXPERIENCE

- |  |                          |
|--|--------------------------|
| • <b>HoverCraft</b>  | September 2023           |
| <i>Worked on making an RC Air-Cushioned Vehicle, that floats on pressure difference for Takneek 2023-24.</i> |                          |
| • <b>RoboSoccer</b>  | September 2023           |
| <i>Worked on making an RC Robot that can dribble and shoot a ball for Takneek 2023-24.</i>                   |                          |
| • <b>Election Officer</b>  | December 2022 - May 2023 |
| <i>Election Commission, IIT Kanpur</i>   |                          |