**Himansh Bansal**

**Technical Skills:** Python, C++, HTML, CSS

**Technologies:** Autodesk Fusion 360, Unity2D

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| **EDUCATION** |  |  |  |
| **Board** | **Tenure** | **Educational institution** | **CGPA/Percentage** |
| B. Tech (CSE) | Oct 2026 (Ongoing) | Vellore Institute of Technology, Bhopal | 8.19/10 |
| Class XII | March 2022 | Police DAV Public School, Ambala City | 86% |
| Class X | March 2020 | Police DAV Public School, Ambala City | 84% |

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| **PROJECT NAME** |  |
| Aerothon2023 | **Aerothon 2023** (Mar 23 - June 23)   * Created a technical report on designing a payload drone which weight should be under 2kg with the ability to be autonomous for major part of the mission. * Created a pickup mechanism with innovation in base design for our drone increasing efficiency and decreasing overall weight of drone. * Used 3d modelling software AutoCAD Fussion360 for better visualization and ANSYS as to simulate the model and to check functionality of the electronic components. |
| Computer Vision | **Object Detection** (Sep 2 – Ongoing)   * Creating a web application through which meaningful information can be derived from images and videos in an autonomous way with the help of Deep learning. * We have divided Object detection in four parts comprising Data Collection and annotations, training of model, Inference and Detection, Post-processing and visualization. * We are using Roboflow Software to annotate images and videos and YOLO version 8 as our base algorithm. |

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| **ADDITIONAL INFORMATION** | |
| Courses | Data Analysis using machine learning (ongoing) coursera  Full stack developement (ongoing) coursera |