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# Tushar Agarwal

**Technical Skills:** Python, HTML, CSS, JavaScript

**Technologies:** Autodesk Fusion 360, Roboflow

EDUCATION			
Board	Tenure	Educational institution	CGPA/Percentage
B. Tech (CSE)	Oct 2026 (Ongoing)	Vellore Institute of Technology, Bhopal	8.44/10
Class XII	June 2021	O.P. Jindal School, Chhattisgarh	80%
Class X	May 2019	O.P. Jindal School, Chhattisgarh	90.6%

PROJECT NAME	
Team Rudra	<b>Aerothon 2023</b> (Mar 23 - June 23) <ul style="list-style-type: none"><li>- 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.</li><li>- Created a pickup mechanism with innovation in base design for our drone increasing efficiency and decreasing overall weight of drone.</li><li>- Used 3d modelling software AutoCAD Fussion360 for better visualization and ANSYS as to simulate the model and to check functionality of the electronic components.</li></ul>
Computer Vision	<b>Object Detection</b> (Sep 2 – Ongoing) <ul style="list-style-type: none"><li>- 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.</li><li>- We have divided Object detection in four parts comprising Data Collection and annotations, training of model, Inference and Detection, Post-processing and visualization.</li><li>- We are using Roboflow Software to annotate images and videos and YOLO version 8 as our base algorithm.</li></ul>

HACKATHONS	
Business Hackathon	<b>Startup Wrek:</b> <ul style="list-style-type: none"><li>- Participated in a 54hrs. Business Hackathon where we interacted with several investors throughout the session.</li><li>- Our startup idea was on how we can collect the user data from websites through reviews and reactions and then train a AI model in a way to predict human behavior.</li></ul>

ADDITIONAL INFORMATION	
Hobbies	<ul style="list-style-type: none"><li>• Reading Novels and Playing Chess.</li></ul>