

Name – Tushar Agarwal

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Contact Information:

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Objective:

To grow and acquire skills which need scientific and mathematical concepts to address practical issues and to advance efficiency and sustainability, and to continuously adapt to changing social demands and technological advancements

Technical Skills:

Python, HTML, CSS JavaScript

Technologies:

Autodesk Fusion 360, Roboflow Software

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	Aerothon 2023 (Mar 23 - June 23) <ul style="list-style-type: none">- 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) <ul style="list-style-type: none">- 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.

HACKATHONS

Business Hackathon	Startup Wrek: <ul style="list-style-type: none">- Participated in a 54hrs. Business Hackathon where we interacted with several investors throughout the session.- 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.
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ADDITIONAL INFORMATION

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