

Anmol Gupta

4th Year Undergraduate
Department of Material Science and Engineering

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Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2020 - Present	B.Tech	Indian Institute of Technology Kanpur	7.9/10
2020	Class XII (CBSE)	Shanskar Public School, Gwalior	90.4%
2018	Class X (CBSE)	Christ jyoti School, Lavkush nagar	90.8%

Scholastic Achievement

- Secured **9317** rank in **Jee Advanced** 2020
- Awarded the **MCM** scholarship amongst a batch of **1150+** students for the academic year 2021-22 as well as for 2022-23

Work Experience / Key Projects

Microsoft Engage | Facial Recognition Attendance System

May'22

- Received **extensive group mentoring** from Microsoft, which helps me in enhancing my efficiency to do effective work
- Application takes all the student data including photo and store in the database of MySQL. Attendance is marked automatically
- Few games to enjoy -(1)Making the sketch automatically (2)Facial emotion using your face via camera instantaneous

Surge Intern | Virtual Reality | Research intern | Mentor: Prof. Arjun Ramakrishnan

May'22 - July'22

- Making an **open-world game** in which the user has to take his/her decision to make the reward maximum
- Use **LSL** to collect data from **unity** and connect unity with VR. Also conducted a **survey** in college for feedback

Is-The-Road-Safe | Summer Project: Programming Club, IIT Kanpur

May'22 - July'22

- Building an ML model for the detection as well as recognition of **multiple objects** simultaneously using image or video
- Using **tensorflow** and **open cv** libraries and Keras to use prebuild model and improve the accuracy by up to 80%

Web Sites | Self Projects: Web Applications using HTML, CSS, JS, React, NodeJS, Express, MongoDB

- Todo List** :Build using **React**. It contains all the 'CURD' operation in the application i.e, you can create, edit, delete any list
- Restaurant Application** :Build using **React**. Build an API for it, includes food for sections like breakfast, dinner, evening
- Portfolio** :It contains some of my other work. Created a **tinDog** web site. A couple of games using JS like **Simon**, **Drumkit**
- Uploader Web App** :Build using **python** and **flask** framework. User uploads any file and only admin can download any file

UGP | **Analysis and recognition of cancer regions** | Mentor: Prof. Tushar Sandhan

August'22 - Nov'22

- Deal with **HAM10000 datasets** for various type of cancer detection and recognition. Use TensorFlow and Pytorch in the project

Game Project | Game development society Project, IIT Kanpur

April'21 - April'22

- John Lemon: A horror game built in Unity with high graphics revolution consists of a dull house with dull lighting and ghosts
- Ultimate Racer: A racing game in which users can race on the race track(realistic racing track build in unity)

Social Work

Student Mentor | Association for Computing Activities(ACA) Project - Full stack web development

May'22 - Present

- Mentored **40+** students in learning Git, basic UI designing, and making API calls using HTML, CSS, and JS
- Took weekly online sessions to help clear doubts and **30+** students created their first personal webpage under our guidance

Technical Skills

- Programming Languages/Libraries** – C, C++, DBMS, HTML, CSS, OOPs, TensorFlow, Numpy, Pandas, Matplotlib
- Tools/Utilities** – Git, Octave/MATLAB, Adobe photo/video Software, Unity, Blender, origin, mc12, AutoCAD

Positions of Responsibility

Secretary | Game Development Society, IIT Kanpur

August'21 - May'22

Leadership	• Took interviews for juniors and gain experience in organizing workshops and events related to game development
Initiative	• Under game development projects, I worked as a programmer and artist during the whole journey
Managerial	• Work on many projects under the coordinator of the society in teams as well as individual

Senior Executive Design | Techkriti'22 / Antaragni'21 (**Asia's largest** technical and cultural festival)

July'21 - May'22

Leadership	• Handled the campus ambassador program of Techkriti and Antaragni effectively by managing various functions
Initiative	• Work in the design field in Techkriti for designing posters and videography field in antaragni for video editing

Secretary | Film Club, IIT Kanpur

July'21 - May'22

Leadership	• Took interviews for juniors and manage the shoot of the seniors' farewell video as well as edited the video
Initiative	• Worked in short films as an actor , editor , and cinnamate and gain lots of experience in management
Managerial	• Worked in editing projects under the coordinator of the club in teams and gain knowledge in technical stuff

Relevant Coursework

MSO201A (Probability and statistics) ESC101(Fundamentals of Computing) MTH102(Linear Algebra and differential eq.)
MTH101(Basic Calculus) ESC201A (Introduction to electronics) MSO203B(Partial differential equation)

Extra-Curricular Activities

Cultural	Content creator on  YouTube Represent IIT Kanpur in form of videos and photos on social media
Sports	Enthusiast in Athletic and e-gaming. Part of Athletic as High jumper in Udghosh'22 organized by IIT Kanpur