Manas **Gupta**

SOPHOMORE UNDERGRADUATE · COMPUTER SCIENCE AND ENGINEERING

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Education

Indian Institute of Technology Kanpur	*Kanpur, India*
B.TECH. IN COMPUTER SCIENCE AND TECHNOLOGY - 9.2/10	*Nov. 2020 - Present*
Mantora Public School	*Kanpur, Uttar Pradesh*
CLASS XII CBSE BOARD - 95%	*2017 - 2019*
BCM School	*Ludhiana, Punjab*
CLASS X CBSE BOARD - 10 CGPA	*2014 - 2017*

Honors & Awards

2020	Academic Excellence Award for exceptional performance in Academics at IIT Kanpur	*IIT Kanpur, India*
2020	Secured All India Rank 1042 in JEE Advanced 2020 among 1.5 lacs students in the country.	*India*
2020	Secured All India Rank 2881 in JEE Mains 2020 among 8.5 lacs students in the country.	*India*

Projects

6 Week 6 Languages (6W6L)   ⌂ *6W6L*

MENTORS: KARTIKEYA GUPTA (Y19), SOM TAMBE (Y19) AND ATHARV SINGH PATLAN (Y19)   *May 2021 - July 2021*

- Learnt about the various categories of programming languages and their eminent features from the perspective of theoretical computer sciences.
- Completed different tasks in different languages every week.

Titanic Survival Prediction ML Model   ⌂ *Titanic Survival*

SELF PROJECT   *November 2021*

- Developed a ML model to predict the survival of passengers on Titanic (using Scikit-Learn) from a Kaggle dataset.
- Implemented different models on the data after pre-processing to get the most accuracy (83%) from the model.
- Complete analysis of survival of passengers on different grounds such as gender, class etc.

StoreIt Retail Software   ⌂ *Store-It Frontend*

COURSE PROJECT   *March 2021*

- Collaborated in a team of 10 students.
- Developed a retail software for CS253 course to automate and ease the shopping experience of buyers and sellers
- Implemented Buyer and Seller perspective in the software.
- Used ReactJS framework with MUI library for Frontend with Springboot Java as backend framework.
- Software displays all the stores with their products for the buyers to go through and also view their previous orders. Implemented a search API for the buyers to search for their required product.
- Seller can edit the categories and products to be displayed in the store page and also add new categories and products
- Link to the website **here** deployed on Heroku.

Technical Skills

Programming	C/C++, Golang, Julia, Scala, Javascript, Typescript, Python, Ruby
Tools	PyTorch, Scikit-learn, Heroku, Jupyter Notebook, LaTeX
Development	Flask, React, NextJS, ExpressJS Redux, HTML5, CSS
OS	Ubuntu 20.04, Windows, WSL

Relevant Courses

Logic for Computer Science^i	Data Structure and Algorithms	Introduction to Electronics
Discrete Mathematics and Abstract Algebra	Probability for Computer Science^i	Software Development^i
Fundamentals of Computing	Linear Algebra & ODEs	Real Analysis
Computer Organization and Architecture^i	Applied Data Science with Python Specialization	
i: In progress	*o: Online Course*	

Positions of Responsibility

Secretary

DESIGN AND ANIMATION CLUB (DnA), IIT KANPUR

India

July 2021 - PRESENT

- Worked collaboratively on the intro video of DnA club
- Guided students in the the designing domain and helped them get familiar with softwares such as Adobe After Effects, Adobe Illustrator, Adobe Photoshop, Blender.
- Currently working on the official webiste of DnA club

Secretary

ESPORTS SOCIETY, IIT KANPUR

India

July 2021 - PRESENT

- Organised tournaments between the contestants for various online games such as PUBG, Rocket League, Valorant
- Kept track of and helped in maintaining the database of results