

YASHVARDHAN GUPTA

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EDUCATION

COURSE	YEAR	INSTITUTION	% / CGPA
Bachelor of Technology	2019-present	Delhi Technological University	7.88
JEE MAINS	2019	-	98.12 Percentile
CBSE (Class XII)	2019	Indraprastha Public School, Delhi	87.4%
CBSE (Class X)	2017	Delhi Public School, Karnal	10.00 cgpa

SKILLS

Programming Languages: Python (2000+ hours)

Tools and Technologies : Pandas, NumPy, matplotlib, seaborn, scikit learn, TensorFlow, OpenCV, keras, CUDA, flask, Face Recognition(Detection, tracking, Liveness, landmark), Deepfake Generation, Depth Estimation

INTERNSHIP/EXPERIENCE

COMPUTER VISION Intern at WIPRO

[June 2022 – Present]

- Aiming to build a robot's vision by using computer vision by building state-of-the-art occupancy networks.
- Working on Depth estimation problem with custom python scripts written on creating real time depth map videos and depth maps to point cloud conversion for stationary.

COMPUTER VISION Intern at BEADCORE

[May 2022 – July 2022]

- Tested and implemented more than 30 repositories from Github on topics such as Face liveness, Face detection, Face tracking, Voice Spoofing, Face Landmark detection with custom python scripts.

DEEP LEARNING Intern at TVISHTRYON

[December 2021- April 2022]

- Built a first of it's kind mobile Application coined Virtual Teacher using Flutter as frontend and python as backend. The App currently offers 2 subjects namely Mathematics and English. The face is computer generated and the corresponding videos were created by Deepfake repository named 'MakeItTalk'. The Speech Recognition module is leveraged from Google. Python code was hosted in flask for Http requests and was then run on Heroku server for cloud deployment.

Data Diggers Society, DTU

[May 2021-Present]

- Core member of Data Diggers society, the first 3-Dimensional society of DTU hoping to build models by leveraging various tools in data science. Working currently on various real life dataset problems implementing various algorithms ranging from regression and classification ML algorithms to neural networks.

ACADEMIC PROJECTS

FACE LIVENESS DETECTION [Repo](#)

[May 2022 – June 2022]

- Built a face liveness detection model using extra trees classifier model with face detection using OpenCV.
- The model is able to distinguish between real and printer attacks with good accuracy.

SEMANTIC IMAGE SEGMENTATION FOR SELF DRIVING CARS [Repo](#)

[September 2021- October 2021]

- Implemented a Semantic Segmentation model for predicting masks of road traffic with an accuracy of over 96%. The model uses a U-Net architecture.

OBJECT DETECTION [Repo](#)

[September 2021- October 2021]

- Implemented a state-of-the-art object detection model YOLO with custom classes that is fast and accurate

CERTIFICATION & COURSES

- Flutter and Dart: The complete 2022 edition [January 2022 -March 2022]
- Natural Language Processing with Classification and Vector Spaces(Coursera) [January 2022]
- TensorFlow: Advanced Techniques Specialization(Coursera) [December 2021]
- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and DL [November 2021]
- Neural Networks and Deep Learning(DeepLearning.AI) [September 2021]
- MySQL for Data Science and Business Intelligence (Udemy) [September 2021]
- Python for machine learning and Data Science (Udemy) [July 2021- August 2021]
- Data Structures and algorithms in Python (Coding Ninjas) [May 2021- July 2021]
- Introduction to Python (Coding Ninjas) [March 2020 – May 2021]

VOLUNTEER EXPERIENCE

Co-Organizer JCI(Junior Chamber International):

[July 2021 – September 2021]

- COVID-19 Relief welfare work
Organized vaccination drive, blood donation camps and distribution of food bags to the underprivileged and the poverty stricken.

Fundraising Volunteer JCI(Junior Chamber International):

[November 2020 – January 2021]

- Raised fund to fulfill the objective of UN SDG to eradicate poverty and hunger. Provided food to the needy, food packets at school education and skill sets under privileged students to help them in pursuing their studies.

Co-Organizer JCI(Junior Chamber International):):

[September 2019 – October 2019]

- Distributed plants free of cost and planted them at various location. Local administrative authorities have showered praises on the organization at many places.

EXTRACURRICULAR ACTIVITIES

- Art of Living Foundation: Part of a network of volunteers from 156 countries recognized by the United Nations as a humanitarian and educational non-governmental organization.
- Ranked in top 2% from a total of 1.35 million candidates in JEE Mains, 2019.
- State level Lawn Tennis Champion in school till 2017.
- Participated in Earthquake quiz held by IIT-Kanpur in Chandigarh in December 2016.
- Gold medal in English Olympiad in 2014.

DECLARATION

I hereby declare that the details furnished above are true and correct to the best of my knowledge.

