

Taksh Preet Singh

3rd Year Undergraduate

Department of Computer Science and Engineering

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Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2019 - Present	B.Tech	Thapar Institute of Engineering and Technology	7.04/10
2018	CBSE(XII)	Adarsh Shiksha Niketan, Jammu	89.6%
2016	CBSE(X)	Army Public School, Kaluchak	96%

Key Projects

- **Gaadi.ai - A vehicle detection software** (August 2021- September 2021)
 - Gaadi.ai is a vehicle detection and counter software which counts the number of vehicles entering and exiting the Institute.
 - Successfully implemented the **YOLO V4 and TensorFlow 2.0** algorithm. It was designed in such a way so as to reduce the man power on the entrances of the institute.
 - This project can further be used and utilized for regulating traffic in an area by collecting the car-flow data and syncing it with the time of excessive traffic.
- **Spring.ai - A Weather Reporting Application** (January 2022-Ongoing)
 - Spring.ai is a weather detection software made using Dart and Google API.
 - Worked on the front-end as well as the back-end and used special separate animations for different weather results, for different places.
- **Final Umpire - A Cricket Review System** (March 2021 - May 2021)
 - * Developed a Python based review system with varied features including video (from 3 separate angles) as well as sound capturing.
 - * Contributed towards the initial planning and full length documentation of the project.
- **PUG Server for CS:GO - A Counter Strike Server**
 - * Created and hosted a public CS:GO server using Google Cloud and Steam.
 - * Added various plugins (even from foreign gaming softwares) and floated the server on the CSGO steam community.
- **Music Production - FL Studio**
 - * Worked on over 1200 projects which included Production, Mixing and Mastering of the tracks.
 - * Built and used various electronic plugins from scratch using the software.
 - * Helped over 100 emerging creators and singers build their channels on YouTube as well as other social media networks.

Software Skills

- **Programming Languages:** C, C++, HTML, MATLAB, Python, Dart
- **Software and Libraries:** Unity, Git, FL Studio , Adobe Photoshop, Premier Pro

Positions of Responsibility

- **General Secretary - MUDRA Society, Derabassi** (2020-2021)
 - Organized various Inter and Intra-Institute events and webinars with over 400+ participants.
 - Held the responsibility for the team management, marketing and event planning.
- **Creator Manager -Avalon Meta)**
 - Worked closely with Abhinav Arora, co-founder, and fellow managers to expand the horizons.
 - Managed individual cultural events for the organization including music events, interactive sessions, etc.
- **Digital Marketing Head - MyCelebSwag)**
 - My Celeb Swag was an E-Commerce startup done by the MBA students of LM Thapar School of Management.
 - Lead the Digital Marketing Team and managed the YouTube as well as the Instagram network of the startup.
- **Campus Ambassador - Under25 TIET**
 - Helped the team market the event in the campus as well as formulate various strategies for the online period of 2019-2021
 - Events includes various seminars including Stand-up Artists and Motivational Speakers.
- **SDE Intern at Umaaha Solutions Pvt. Ltd.**
 - Umaaha Solutions Pvt Ltd is a Jammu based startup which provides rooftop farming solutions and related services.
 - Helped the company design their logo and various brochures for sales and marketing.
 - Designed an E-Commerce app for online sale of their products and formulised the delivery system of the same.

Extra-Curricular Activities

- 2nd position in Science Exhibition in 2015 with a model of a working dam.
- 2 Time Regional Best Speaker (2016 - Hindi) , (2017 - English).
- National Extempore Competition Runner Up.