

HITANSHI JAIN

ACADEMIC PROFILE

Degree/Certificate		Institution				Percentage/CGPA	Year
B-Tech		Mechanical Engineering IIT (BHU), Varanasi				8.50	2022
Sem I	Sem II	Sem III	Sem IV	Sem V	Sem VI	Sem VII	Sem VIII
8.96	8.17	7.85	8.41	9.53	-	-	-
CBSE (XII)		St. Edmunds School, Jaipur				91.80	2018
CBSE (X)		St. Angela Sophia Sr. Secondary School, Jaipur				95.00	2016

SKILLS

Programming Languages: C, C++, Python

Areas of Interest: Algorithmic Programming, Data Structures, Web Development

Soft Skills: Teamwork, Interpersonal, Time Management, Problem-Solving

PROJECTS

Developed a Full Stack Application

October'20-November'20

- This is an application in which one can create, update, and delete the best memories of his/her life and store them with the help of a database.
- The technologies used for this project are ReactJs, NodeJs, Express, Redux, Axios, and MongoDB.

Feedback control of an Inverted Pendulum on cart

February'20- May'20

Exploratory Project- Supervised by Dr. Nilanjan Mallik at Mechanical Engineering Department, IIT BHU

- Stabilized an inverted pendulum mounted on a cart which can move horizontally by using mathematical principles which govern the stability as well as degrees of freedom of a system.
- Simulated the cart using OpenCV library, performed operations on matrices using NumPy library and calculated the optimal control term (U) using the SciPy library in python.

Developed a COVID'19 tracker Chatbot using RASA framework

March'20-April'20

- This is a virtual being that reads your mood in the form of text and replies accordingly.
- The Chatbot was able to output information about the cases of COVID'19 in different states by integrating a third party backend API with the RASA chatbot.

Designed UI (User- Interface) using Pygame library

October'19-December'19

- Designed UI for displaying the measured speed and distance of an energy-efficient electric prototype along with the other fellow members of **Team Averera**, IIT BHU.
- This was achieved using Pygame and Tkinter libraries in Python.

POSITION OF RESPONSIBILITY

Marketing Executive | KASHIYATRA (Cultural Fest), IIT BHU

August'19-January'20

- Responsible for prospecting and shortlisting potential stakeholders with the goal of sponsorship in kind or in monetary form for the fest.

Public Relations Executive | SPARDHA (Sports Fest), IIT BHU

June'19-October'19

- Responsible for bringing down a delegation of national/international sportsperson onto the Spardha platform and ensuring the complete logistics and hospitality during their stay.

HONOURS AND ACHIEVEMENTS

- Successfully designed Radio- controlled plane and selected to represent the model in Boeing Aeromodelling Competition at Techfest of IIT Bombay (December 2018).
- Received **Best in Academics** award in Science and Mathematics stream in class 12th (2018).
- Certified by Universal Solidarity Movement for successfully completing life training for the leaders of school cabinet in Indore (April 2015).

EXTRA-CURRICULAR ACTIVITIES

- Participated in ramp walk event at Anvesha'19 - Cultural Fest of IIT Patna.
- Fabricated an IC-RC car and participated in Axelerate, a racing event organised in Technex'19 - Technical Fest of IIT BHU.
- Secured 3rd position in Inter-branch group dance competition (Aagman'18) held at IIT BHU.

T: 7688977322 **E:** hitanshijain27@gmail.com **Address:** 1-GA-18, Jawahar Nagar, Jaipur, Rajasthan, Pin Code-302004