

# PARTH GARG

2018401, Email: parth18401@iiitd.ac.in

DOB: June 01, 1999

Address: 1771, Nai Basti, S.P.Mukherjee Marg, Delhi-110006



## Education

<b>Indraprastha Institute of Information Technology, Delhi</b> B.Tech (CSB) 2018 – Present	CGPA: 8.34 (till 3 <sup>rd</sup> Semester)
<b>The Srijan School, Delhi</b> CBSE 2016 – 2017	Percentage: 93.4
<b>The Srijan School, Delhi</b> CBSE 2014 – 2015	CGPA: 10

## Skills

<b>Expertise Area</b>	Molecular Dynamics Simulations, Backend Development
<b>Programming Language</b>	C/C++, JAVA, Python, SQL, BASH, JavaScript
<b>Tools and Technologies</b>	React Native, MySQL, Arduino & RaspberryPi, JavaFX, GROMACS, Visual Molecular Dynamics (VMD), MDAnalysis, Github, Tkinter
<b>Technical Electives</b>	Data Structures and Algorithms, Operating Systems, Advanced Programming, Systems Management

## Internship

<b>CHARTR Intern</b> Guide: Kshitij Srivastava (M.Tech Student, IIITD) Worked with Dr. Pravesh Biyani and his team in order to develop a Public Information System(PIS) for DIMTS. Major contribution included development of an API which took the stop number as input and returned the required information from the central database which was regularly populated with live data.	(Jun,19-Aug,19) Team Size: 2
<b>Summer Intern, ECE Labs, IIITD (Research)</b> Guide: Mr. Rahul Gupta Created an automatic entry/exit record keeping system. The system maintained a central database of registered vehicles allowing the user to track the number of vehicles inside the campus at any given time. My main contribution was towards the creation of the server that hosted the central database along with the maintenance of the central database.	(May,19 –Jul,19) Team Size: 4

## Projects

**Lipid Force Distribution Analysis (LFDA)** (Research) (Nov,19 – Present)  
Guide: Dr. Arjun Ray Individual  
Currently working on developing a software that can calculate and map out forces on individual components (such as Lipids and Proteins) in multi-component physiologically relevant system simulations.

**WizTag** (Jan,19 – Mar,19)  
Guide: Dr. Aman Parnami Team Size: 4  
Created a wizard themed laser tag. Different spells could be casted by a player using a wand. Upon being hit by a spell, the vest worn by the player provided haptic feedback by vibrating at the part where the player was hit.

**Plants VS Zombies** (Aug,19 – Dec,19)  
Guide: Dr. Vivek Kumar Team Size: 2  
Successfully cloned the very famous game of plants vs zombies towards the final project of the Advanced Programming course.

**Mass Spectrometry Data Normalizer** (Nov,19 – Dec,19)  
Guide: Mr. Akash Kumar Bhaskar (Ph.D. Scholar, CSIR-IGIB) Individual  
Created a software for Normalizing mass spectrometry data which otherwise took the researchers a lot of time.

**Bacterial Colony Counter** (Aug,19-Dec,19)  
Guide: Dr. Arjun Ray Team Size: 5  
Created an app which could count the number of bacterial colonies in an image provided. Individual contribution included development and implementation of the backend algorithm to count the number of bacterial/yeast colonies.

## Positions of Responsibility

- Secretary General, Student Council, The Srijan School (Apr,15 – Mar,16)
- Student Chief Editor, AbhiVyakti - annual magazine, The Srijan School (Apr,15 – Mar,16)
- Member, Machaan, IIITD Theatre society (Aug,18 – May,19)
- Mentor, RayLab (Jan,20 – Present)

## Awards and Achievements

- Won the Student of the Year award, The Srijan School, 2017

## Interests and Hobbies

- Reading
- Painting

Declaration: The above information is correct to the best of my knowledge.

PARTH GARG

Date: Jan 14, 2020