



# SARGAM MONGA

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## Education

**Indraprastha Institute of Information Technology, Delhi**  
**B. Tech (Computer Science and Applied Mathematics)**  
2018 - Present

CGPA: 8.45  
(up to 4<sup>th</sup>  
Semester)

**St. Francis De Sales School, New Delhi**  
**Class XII** (Central Board of Secondary Education)  
2016 - 2018

Percentage: 96.8%

**St. Francis De Sales School, New Delhi**  
**Class X** (Central Board of Secondary Education)  
2014 - 2016

CGPA: 10.0

## Skills

**Expertise Area** Object Oriented Programming, Data Structures and Algorithms

**Programming Language** Python, Java, C++, C, HTML, CSS, SQL, Bash, JavaScript

**Tools and Technologies** Jupyter Notebooks, Command Line, Git(basic), Scene Builder, MySQL, Bootstrap, Flask, ReactJS, React-Bootstrap, Arduino, Raspberri Pi

**Technical Electives** Linear Algebra, Data Structures and Algorithms, Advanced Programming, Computer Architecture and Operating Systems, Discrete Structures, Database Management System, Algorithm Design and Analysis, Theory of Computation

## Projects

### Smart Mirror - [Code](#)

A mirror with Google Assistant that displays real time data.  
Implementation has been done using Raspberri Pi and Python.

(January 2019)  
Team Size - 4

### Cycling Glove - [Code](#)

A glove that facilitates navigation, indication and phone calls. We used a Bluetooth connection with the phone and Arduino lilypad as the micro controller. Navigation was done using Mapbox API.

(April 2019)  
Team Size - 4

### Game: Plant vs Zombies - [Code](#)

Mentor: Dr. Vivek Kumar, IIIT Delhi  
Java game similar to the existing Plants vs Zombies, using Java FX.

(October -  
December 2019)  
Team Size - 2

### Immunization Register - [Code](#)

A database Project that records vaccinations completed by a user.  
Frameworks and libraries used - Bootstrap, Ajax, Flask, MySQL, D3.js.  
DB concepts used- normalization, indexing, procedures and triggers.

( January -  
April 2020)  
Team Size - 5

## Experience

### OpenGenus Foundation

Guide: Aditya Chatterjee  
Profile: Intern

(April 2020 – June 2020)

### MIDAS IIIT-D

Guide: Dr. Rajiv Ratn Shah  
Profile: Undergraduate Researcher

(June 2020 – present)

### Microsoft Engage 2020

A mentorship program aimed at familiarizing participants with the basics of Artificial Intelligence.

(June 2020 – July 2020)

## Positions of Responsibility

- Events Organizing Team – Esya'19, Odyssey'19
- Current Core Member of the college Art Club – Meraki (February 2019 - Present)
- Current Events Lead at ECell, IIIT-Delhi (May 2020 - Present)
- Public Relations and Publicity Lead – Odyssey'20 (October 2019 – January 2020)

## Awards and Achievements

- 2<sup>nd</sup> Position in Kick ad, Pan India Poster Designing Contest.
- Published Articles at the OpenGenus IQ - <https://iq.opengenus.org/author/sargam/>
- Codechef Rating – 1695 ( 3 star )

## Interests and Hobbies

- Painting with oil on canvas.

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

Sargam Monga

Date: November 29, 2019