SARGAM MONGA

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Profile: https://sargamm.github.io/Profile/

Education

Indraprastha Institute of Information Technology, Delhi **B. Tech (Computer Science and Applied Mathematics)** 2018 - Present	CGPA: 8.45 (up to 4th 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, JavaScript
Tools and Technologies	Jupyter Notebooks, Command Line, Git, 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

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

MIDAS IIIT-D
Guide: Dr. Rajiv Ratn Shah   (June 2020 – present)
Profile: Undergraduate Researcher

Microsoft Engage 2020
A mentorship program aimed at familiarizing participants   (June 2020 – July 2020)
with the basics of Artificial Intelligence.

OpenGenus Foundation
Guide: Aditya Chatterjee   (April 2020 – June 2020)
Profile: Intern

Positions of Responsibility

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

Awards and Achievements

- 2nd Position in Kick ad, Pan India Poster Designing Contest.
- Published Articles at the OpenGenus IQ - https://iq.opengenus.org/author/sargam/
- Codechef highest rating – 1690 (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