

# Swetanjali Murati Dutta

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India

## Qualifications

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Indian Certificate for Secondary Education(ICSE) - 96.8%

Indian School Certificate(ISC) - 95.75%

## Education

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Secondary, Higher Secondary

2002 — 2017

La Martiniere for Boys, Kolkata

B Tech and Master of Science in  
Computer Science and Engineering by  
Research(CSD)

2017 — Present

International Institute of Information Technology, Hyderabad

## Work experience

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CodeChef

May 2017 — June 2017

Software Engineering Intern

My internship at CodeChef required me to teach computer programming to young kids of class 8 and 9. The aim was to inspire these students at an early age and help them prepare for the International Olympiad in Informatics(IOI).

In India, students have very less exposure to programming at school level which prevents them from performing well at IOI. CodeChef aims to do away with this.

I also had to design curriculum and resources(according to the IOI syllabus) which the students can use for preparation.

## Relevant Courses

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Computer Programming\*

Mathematics I\*

IT Workshop I\*

Digital Logic and Processors\*

Electrical Science I\*

MOOC : The Computing Technology inside your SmartPhone by CornellX on edX

Machine Learning by Dr. Andrew Ng on Coursera\*

\*Courses currently being taken

## Achievements

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1. **International Olympiad in Informatics(IOI):**

Among the top 27 Indian school students in 2017 to attend the International Olympiad in Informatics Training Camp to select the Indian team for IOI 2017.

2. **Paper entitled "Home Automation":**

Published a paper entitled "Home Automation" in the International Journal of Scientific Engineering and Research (IJSER).

The main objective/aim of this IOT(Internet of Things) prototype is to save electricity by controlling electrical appliances using cell phone from any part of the world. Also the status of the electrical appliances can be received in the cell phone itself. This data can be used in many ways to save electricity.

3. **CodeChef:**

Current Rating of 2038

Maximum Rating of 2102

Handle: swetanjal

## Skills

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Algorithms and Data Structures, C/C++, Java, Python, Bash, Digital Logic