

# Aashish Gupta

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*"Wonder is the beginning of wisdom." -Socrates*

## Education

### M. Tech. (Research) [Chemical Engineering]

Indian Institute of Science

08/2017 - 01/2020

GPA-8.4/10

### B. E. [Mechanical Engineering]

Ramaiah Institute of Technology

08/2013 - 06/2017

GPA-9.65/10

### Grade XII

CBSE Board (India)

08/2012 - 06/2013

94%

### Grade X

SLC Board (Nepal)

08/2010 - 06/2011

90.125%

## Fellowship/ Scholarship

### COMPEX Nepal Scholarship

Qualified the Indian Embassy COMPEX exam for a fully sponsored BE program

### Summer Research Fellowship

Selected for an internship at the Engineering Mechanics Unit, JNCASR (06/2016 - 08/2016)

## Achievements and Awards

Conferred "Branch Topper Award" by Society of Mechanical Engineers, MSRIT for two consecutive years (2014 & 2015)

Felicitated by PABSON for an outstanding performance in the SLC examination

## Presentations

Presented a poster at the APS-DFD 2019 conference (Seattle)

Made an oral presentation at the Chemical Engineering In-house Symposium 2019

## Skills

**Programming Skills:** MATLAB, Python, C

**DEM Simulations:** LAMMPS/LIGGGHTS

**CFD:** Ansys Fluent

**FEM Simulations:** FreeFEM++

**Design Software:** Autodesk Inventor, OpenSCAD

## Projects and Training

### RA project

Study of flow inside a twin screw feeder using DEM

(01/2020 - Present)

### M. Tech (Research) project

Analysis of flow of grains through a screw conveyor

(08/2018-01/2020)

### BE project

Numerical analysis of flow past a plunging wing at low Reynolds number

(01/2017 - 06/2017)

### Internship project

On de-noising of images corrupted with Gaussian noise

(06/2016 - 08/2016)

### GIAN course

On "Computational Methods in Fluid Mechanics" at IIT Bombay

(01/2018 - 02/2018)

## Leadership

Organized SPECTRUM Snooker Tournament in the capacity of co-convenor of the IISc Snooker Club

Started GK Batchelor reading group at Chemical Engineering, IISc

Cofounded Number's Club at MSRIT

## Interests

Snooker, Music, Philosophy, Poetry