

# Soumye Singhal

SECOND YEAR UNDERGRADUATE · COMPUTER SCIENCE AND ENGINEERING, IITK

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## Education

### IITK (Indian Institute of Technology, Kanpur)

BACHELOR OF TECHNOLOGY, COMPUTER SCIENCE AND ENGINEERING

- Cumulative Grade Point/ CPI : **9.8/10.0**

Kanpur, India  
2015 - 2019 (Expected)

### BAL BHARATI PUBLIC SCHOOL, PITAMPURA

CBSE

- 10th GRADE | CGPA **10.0/10.0**
- 12th GRADE | Aggregate **95.4%**

New Delhi, India  
2013, 2015

## Honors & Awards

2015 **All India Rank 579**, JEE ADVANCED

India

2015 **0.1 Percentile**, JEE MAINS

India

2014 **KVPY Fellow | All India Rank 272**, IISc Bangalore and Government of India

Bangalore, India

2012 **JSTSE Scholarship Awardee**, Government of Delhi

Delhi, India

2013 **All India Top 30**, Group Mathematics Olympiad | CBSE

Delhi, India

## Projects

### Autonomous Underwater Vehicle (AUV) [github.com/AUV-IITK](https://github.com/AUV-IITK)

IIT Kanpur

MEMBER, TEAM AUV-IITK, PROF. K.S. VENKATESH & PROF. SACHIN SHINDE

May 2016 - PRESENT

- Were placed 2nd at the national level competition SAVE, organized by NIOT Chennai.
- The Robot follows a detected line, hits a buoy, fires torpedoes at given targets and drops objects underwater.
- Implemented the tasks using Robot Operating System (ROS) for Controls and OpenCV for Image Processing.

### GymkhanaLive: NEWS Webapp [github.com/soumye/gykhanalive](https://github.com/soumye/gykhanalive)

IIT Kanpur

SUMMER PROJECT, PROGRAMMING CLUB

May 2016 - July 2016

- Programmed a News Web Application using Django for the use of the campus community.
- The website displays the news and events of the various clubs and groups on campus.

## Relevant Courses

### Completed

Introduction to Programming\*  
Introduction to Electrodynamics  
Introduction to Electronics

Partial Differential Equation  
Multivariable Calculus\*  
Discrete Mathematics

Linear Algebra\*  
Abstract Algebra  
Logic in Computer Science

### Ongoing

Data Structures and Algorithms  
Computer System Security

Probability and Statistics  
Computer Laboratory

Computer Organization  
Introduction to Economics

\* : A\* Grade for exceptional performance

## Skills

<b>Programming</b>	C/C++, Python, X86 Assembly, ROS, OpenCV
<b>Web</b>	Django, JavaScript, HTML, CSS
<b>Utilities</b>	Linux shell utilities, Git, GDB, $\text{\LaTeX}$ , Sublime, Vim, Octave
<b>Platforms</b>	Windows, Linux(Ubuntu), Arduino, Android

## Extracurricular Activity

### Programming Club (IITK)

SECRETARY

Jul. 2016 - PRESENT

- Helped organize Linux Installation Drive, Freshers Programming Contest and other activities.
- Helped in the functioning of the club by organizing contests and lectures on various topics.

## Miscellaneous

2016 **Presentation Project**, Diophantine Equations (Under Prof. Nitin Saxena)

IITK

2016 **Google Devfest**, Weather and Sports App

IITK

2015 **Electromania**, Made an Egg-Basket game using Digital IC's and logic gates.

IITK