

# SATVIK RAMAPRASAD

3<sup>rd</sup> year Computer Science Student, IIIT-Bangalore, Electronic City, India - 560100

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## EDUCATION

August 2016 International Institute of Information Technology - Bangalore (IIIT-B)

- Present
- > Integrated M.Tech. in **Computer Science**, 6<sup>th</sup> Semester
  - > Cumulative GPA: **3.90 / 4.00** [Transcript](#)

## SKILLS

Python/C++/Java, Database Systems, Operating Systems, Web Development, Project Management, Business Analytics, Computer Graphics, Linux and Production Systems

## EXPERIENCE

- > **MOSIP | INTERN** [Mosip.io](https://mosip.io) JANUARY 2019 - PRESENT  
MOSIP - Modular Open Source Identity platform. International project which aims to develop an open source foundational ID system (like Aadhar) for governments to use. This project is funded by **World Bank**.
- > **GSoC'19 | PROJECT ADMIN** [GSoC Page](#) MARCH 2019 - PRESENT  
My open source project [CircuitVerse.org](https://circuitverse.org), has been accepted as a mentor organization for Google Summer of Code 2019. Read project CircuitVerse for more details.
- > **HYPERREALITY TECHNOLOGIES | INTERN** [HyperrealityLabs.com](https://hyperrealitylabs.com) OCTOBER 2018 - DECEMBER 2018  
Hyperreality Labs works on cutting edge VR and AR technologies. My internship involved working on a software solution which can generate 3D models of the house from the image of a house plan/layout.
- > **HOMIGO | FULL STACK DEVELOPER** [Homigo.in](https://homigo.in) JUNE 2018 - AUGUST 2018  
Homigo is a flat sharing platform to solve rental problems (similar to Airbnb). My internship involved setting up business analytics, third party integrations and meeting several feature requirements.
- > **ZENSE | PROJECT AND GROUP COORDINATOR** [Zense.co.in](https://zense.co.in) JAN 2017 - PRESENT  
Zense is a Software Developer Club of IIIT-Bangalore. I coordinate with the various teams on several projects.

## PROJECTS

- > **CIRCUITVERSE | FOUNDER** [CircuitVerse.org](https://circuitverse.org) FEB 2017 - PRESENT  
I am the primary developer and maintainer of this open source project. **CircuitVerse got accepted as a mentor organization for Google Summer of Code 2019.** CircuitVerse is an easy to use online digital circuit simulator. It provides a platform to create, share and learn digital circuits. Currently the platform is used by 100s of students everyday from across the world including students from University of Chicago, University of Alabama and Virginia Tech.
- > **BMTC - COST OPTIMISATION PROJECT | PROJECT INTERN** JAN 2018 - MARCH 2018  
Project under Prof. V N Muralidhara. BMTC is the bus transportation corporation of Bangalore. The project involved finding ways to come up with new shift schedules in order to reduce the cost for BMTC.
- > **TOXIC COMMENT CLASSIFICATION | KAGGLE** [Report](#) SEPTEMBER 2018 - NOVEMBER 2018  
The threat of abuse and harassment online means that many people stop expressing themselves on social media. We used Machine Learning algorithms to produce a model which can predict toxicity level of a given comment.
- > **CODEFORCES RATING PREDICTION** [Report](#) SEPTEMBER 2018 - NOVEMBER 2018  
Codeforces is a competitive programming platform. We used machine learning to predict the rating of the user based on the problems that the user has solved.
- > **LIGHTXLAB | PRIMARY DEVELOPER** [Lightxlab.zense.co.in](https://lightxlab.zense.co.in) JAN 2014 - FEB 2016  
LightXlab is an interactive program to simulate ray optics. It involves solving equations, geometry and physics.
- > **WEB BOARD | PROJECT MENTOR** [Webboard.zense.co.in](https://webboard.zense.co.in) MAY 2018 - PRESENT  
Web Board is an online platform which will allow teachers to use the smart boards in class online.

For an exhaustive list of projects, please check my **PortFolio**

## ACHIEVEMENTS

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### > **Dean's Merit List**

I am in the Dean's Merit List 2017 and 2018 for academic performance. Received Merit Scholarship for first and second year.

### > **Infin8 - Competitive Programming**

I bagged the first place in the college.

### > **ACM - ICPC 2017**

Our team scored second place in the college with a national rank of 361.

### > **Snackdown - 2017**

Qualified for the final Elimination round.

## RELEVANT COURSES

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> **Algorithms** - Data Structures and Algorithms, Design and Analysis of Algorithms

> **Math** - Probability and Statistics, Linear Algebra, Calculus, Discrete Maths

> **Systems** - Digital Logic Design, Computer Architecture, Systems and Signals

> **Data Science** - Machine Learning, Database Systems, Visual Recognition

> **Others** - Computer Networks, Software Engineering, Automata Theory, Computer Graphics

## INTERESTS

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> **Entrepreneurial Interest** - very passionate and curious in knowing how companies operate in general and what decisions and factors lead them to success.

> **Product Development** - Interested in general technology based products with a special focus on educational products and their impact on the current education system.

> **Research interest** - Inclined towards research in simulation models, rendering and data science.