

# Saurabh Chaturvedi

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stackoverflow.com/story/samchats

## EDUCATION

### THE LNMIIT

FINAL YEAR

B.TECH. IN COMMUNICATION AND  
COMPUTER ENGINEERING

Expected Grad. - May 2020 | Jaipur,  
India

CGPA: 7.12/10

### ABPS KESROL

Grad. May 2016 | Bharuch, India

HSC Score: 85.6%

## SKILLS

### PROGRAMMING

Over 4000 lines:

Python • SQL (Postgres)

Over 1000 lines:

C++ • Java • MATLAB • HTML

Familiar:

Go • Ruby • JavaScript • VHDL •  $\text{\LaTeX}$

### NON-TECH

Sketching • Creative Writing

## PUBLICATIONS

May 2019 Chirps: A Twitter Bot

Framework Written in Python - poster at  
PyCon US in Cleveland, OH

Jan 2018 Another Way to Find Max  
Partitions - Hackernoon

Aug 2017 Let's Synchronize Threads in  
Python - Hackernoon

## AWARDS

- Feb 2019 PyCon US Speaker Grant
- Dec 2018 CNCF scholarship to attend KubeCon + CloudNativeCon in Seattle, WA

Nov 2018 Selected in Facebook's  
PyTorch Scholarship Challenge

Oct 2018 Usenix Association  
scholarship for 32<sup>nd</sup> LISA conference in  
Nashville, TN

June 2018 Linux Foundation  
scholarship to attend Open Source  
Summit in Tokyo, Japan

2014 Stood 1<sup>st</sup> in the city of Bharuch for  
National Cyber Olympiad

2011 Stood 2<sup>nd</sup> in Gujarat state for  
Navsaran Art Contest

## EXPERIENCE

### GOJEK | SOFTWARE ENGINEERING INTERN

May 2019 – July 2019 | Bengaluru, India

- Worked on an internal Golang Slackbot for automating the onboarding process of new devs
- Built a triaging portal for recruiters that runs automated hygiene checks on code submissions for backend developer candidates, using Ruby, ExpressJS and Docker

### FOSSASIA | GOOGLE SUMMER OF CODE STUDENT

May 2018 – Aug 2018 | Remote

- Refactored legacy monolithic Python codebase into modules and packages
- Built several endpoints of Open Event Server to be utilized by frontend clients
- Built a session scheduler on the frontend using fullcalendar and emberJS

### CODEMENTOR | FREELANCE SOFTWARE DEVELOPER

Jan 2018 – Present | Remote

- Undertook requirement specs and delivered quality software within deadlines
- Got to work on lots of different technologies - from Google Apps Script to Cucumber specs. However, I work mainly on Python and SQL-related tasks
- Perfect 5.0 rating

## PROJECTS

### XDATA | RESEARCH INTERN

May 2019 – Present | IIT Bombay

Worked remotely under Prof. Sudarshan on the DataGen component. XData uses SMTs (satisfiability modulo theories) to generate datasets that kill SQL query mutations. I worked on migrating constraint generation from CVC3 to Microsoft's Z3 solver and optimization by incremental constraint solving using Z3's Java bindings.

### PELTON | OPEN SOURCE CONTRIBUTOR

Dec 2017 – March 2018 | Remote

Peloton was Carnegie Mellon University's self-driven RDBMS. I worked on INSERT-related functionalities (C++) and in-house code quality tools (Python).

### CHIRPS | PROJECT OWNER

Jan 2017 – Present | Jaipur, India

Built a Twitter bot framework to manage my Twitter account (about 8k followers), using Python, Twitter's API, Postgres and a bit of nltk. It retweets and follows people with provided active keywords, tracks personalities like Elon Musk and replies to them, and tweets latest tech-related news using web scraping and NLP.

## OTHER ACHIEVEMENTS

- |           |  |
|-----------|--|
| Feb 2019  | Ranked 58 <sup>th</sup> in India at Google Hash Code 2019  |
| Aug 2018  | Blogs on Medium crossed 200k reads                         |
| Sept 2017 | Reached top 10% Python answerers globally on Stackoverflow |

## POSITIONS OF RESPONSIBILITY

- Aug 2018 Spoke at PyJaipur August meetup about my GSoC project and raised awareness of open source opportunities among the audience
- 2017 Volunteered to set up HPVC racetrack checkpoints at ASME E-Fest APAC