

LAKSHYA ARORA

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<https://nulll-pointer.github.io/>

EDUCATION

Indian Institute of Technology, Mandi

Mandi, Himachal Pradesh

B. Tech. Computer Science *GPA: 8*

Aug 2016 - July 2020

Relevant Coursework: Algorithm, Data Structures, Networking, Database Systems, Probability and Random Processes.

Pattern Recognition, Artificial Intelligence (Current(5th) Semester).

Teaching Assistant for the courses Advanced Data Structures and Algorithms.

Robotronics Club Coordinator of the institute for the academic year 2017 - 2018

WORK EXPERIENCE

phpmyadmin

Google Summer Of Code

May 2018 | Aug 2018

- Add support for CHECK Constraints. phpmyadmin didn't support SQL CHECK Constraints.
 - Added interface to Add/ Drop these constraints.
 - Updated parser to understand syntax. Added support to export these constraints.
 - Added additional feature to view constraint data and change it.(Mariadb doesn't have this feature.)
- Integrate local storage with phpmyadmin configurations. phpmyadmin saves user configuration data in it's own database. When this database doesn't exist, it cannot store user configurations. Implemented a feature to store these configurations in browser local storage in such cases.
- phpmyadmin used to redirect the users back to the login page, whenever user session expired. All the information on the previous page would get lost. Implemented a login modal when user session expires instead of redirecting them to the login page.
- Review Pull Requests and work on issues in the issue tracker.

LANGUAGES AND TECHNOLOGIES

- **Languages :** C, C++, Javascript, php (most experience), sql, JQuery (moderate experience), bash, python, nodejs (little experience)
- **Other Tools :** GIT, make, Docker, VIM(moderate experience), phpunit, selenium (little experience)

PROJECTS

Baat Cheet *nodejs, javascript, heroku, git*

<http://baat-cheet-iit.herokuapp.com/>

Anonymous Chat App

Oil Detector *python, opencv, raspberrypi*

Uses image processing to detect oil on water. This was a part of a bigger project, which detected oil on the surface of water and skimmed it out. This was a prototype for the idea of an ocean oil spill cleaner.

AWARDS

ACM ICPC India Regionals

Represented IIT Mandi at the ACM ICPC India Regionals in 2017 at the Kharagpur Regionals, 2017.

Recognition for contribution to The Robotronics Club

Received recognition for exemplary contribution to the activities of the Robotronics Club.

Law Follower

Secured 3rd position in law follower competition in ATMOS, BITS Hyderabad

TopCoder Hackathon

Secured 2nd position in TopCoder Hackathn.