# Jhabar Singh Bhati

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## EDUCATION

**MS Ramaiah Institute Of Technology,** Bachelor of Engineering in Computer Science, Bengaluru *Aug 2018 - Aug 2022*
- Current Cumulative GPA: 3.5/4.0
- Relevant Coursework: Operating System, Computer Networks, Database Management System, Data Structures and Algorithms.

**Army Public School Jodhpur,** High School, Rajasthan *June 2015 - June 2017*
- Cumulative GPA: 3.8/4.0
- Relevant Subjects: Maths, Computer Science (*Optional*)

## EXPERIENCE

**Indian Road Safety Campaign** *Django Developer, June 2020 - September 2020*
- (*https://drive.google.com/file/d/1P78ldTO9fSZmUXbrTRVJuLVDUd3mQ621/view?usp=sharing*)
  - **Techstack**: *Django, Django RestFramework, Postgresql, AWS(S3 bucket, Amazon RDS, AWS EC2 Instance), Docker, Git*
  - **Optimization**: Improved the performance of the app by *paginating* the backend Api's and *lazily loading* the data on the front end previously response payload size was more, therefore, *page load time* was high which was affecting the *User's Experience*.
  - Previously using *Threads* for performing the *Asynchronous* tasks therefore unnecessarily holding the resources, to Optimize this we used *Django-celery* which runs *workers* for the *multiple asynchronous* tasks on a *Redis server*, reduces the *load* on the *main server* as it doesn't hold resources, unlike threads.

## SKILLS

- **Programming Languages:** *Python, JavaScript, Java, C, C++, HTML, CSS*
- **Frameworks and Libraries:** *React, React Native, Vuejs, Django, Django RestFramework, Nodejs*
- **Miscellaneous Technologies:** *OOP, APIs, Git, Mysql, MongoDB, Docker, Firebase, AWS*

## PROJECTS

**DSALGO** *let's make ds algo fun*, *DsAlgo visualizer* is made for the students who want to learn Data structures and algorithms with animated visualizations. DsAlgo visualizer includes data structures like *array, string, matrix, stack, queue, heap, linked list, binary search tree, graph, disjoint set, hash tables* and many algorithms like *binary search, sorting, backtracking*, etc.
- (*https://github.com/jhabarsingh/DSALGO-VISUALIZER*)

**DOCMED** , built this website so that *users* could interact online with the *doctors* during *Covid 19* pandemic time.
- ML Model to predict covid from *Chest XRAY reports, CT SCAN reports and symptoms*.
- Added a *Chatbot* named *COVAT* to clear up the user's queries
- *Graphical* interface to see the *Covid* cases (World/Country).
- Interact with the *doctors* nearby you and have an *appointment* with them.
- (*https://github.com/jhabarsingh/DOCMED*)

**STARDUST** *Space tech team*, *Stardust is a Dynamic Single page Application built for the college stardust team*
- Integrated with the *Firebase* so that team leaders could dynamically add *team members* and *team events*.
- (*https://github.com/jhabarsingh/STAR-DUST*)

**OTHER PROJECTS** (https://github.com/jhabarsingh/jhabarsingh/blob/main/PROJECTS.md)

## OPEN SOURCE CONTRIBUTIONS

**CONTRIBUTIONS** (https://github.com/jhabarsingh/jhabarsingh/blob/main/OPEN_SOURCE.md)