Rohit ASHIWAL
Computer Science Sophomore

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📍 DG 4, Jawahar Bhawan, IIT Roorkee, Uttrakhand - 247667

Someone who is intrigued by computers, System Software hobbyist with interest in field of distributed programming and core fields of Computer Science

🎓 EDUCATION

2017-Present	Computer Science and Engineering, Indian Institute of Technology Roorkee
2007-2017	St. Anselm's North City, Jaipur

☰ SKILLS

Programming	**Kotlin, Java**, Python, Go, JavaScript
System Programming	**C/C++**, Rust
Web Technology	**React.js**, HTML5, CSS3, Bootstrap
Utilities	**Git**, Bash Scripting, Vim, SQL, LaTeX

♥ OPEN SOURCE

GIT FOR WINDOWS   FEB' 19 - PRESENT
⬡ git-for-windows/git
My work involved improving git-archive command. MinGit in Windows comes without gzip bundled inside. git-archive uses "gzip -cn" to compress the commit tree but for this to work gzip needs to be present on the host system. My work was to add minimal code to eliminate the need for this gzip dependency

`C`

GIT   FEB' 19 - PRESENT
⬡ git/git
Improve tests : previously git was using "test -d" to test for the presence of directory, but they already had "test_path_is_dir" helper function. My task was to carefully **refactor** all tests to use "test_path_is_dir" instead of "test -d"

`Shell`

💻 PROJECTS

APPI   JAN' 19 - PRESENT
⬈ The **backend** of Appetizer
A campus app that helps in reducing food wastage within the campus. My work was improve the **UI** of the "menu", the interface through which wardens and mess secretaries add mess week menu, adding **Django** models for toggling some tasks in android app and processing **csv** and **xsl** file for attendence marking

`Django` `JavaScript` `JQuery`

TRIANGLIFY   JAN' 18 - PRESENT
⬡ mdg-iitr/trianglify
Highly customizable library to generate beautiful triangle art views for android, I improved the saving feature in **App** and [WIP] make a live wallpaper app out of this lib

`Java` `Android` `Algorithm`

MDG-PLAY   AUG' 18 - PRESENT
⬡ mdg-iitr/mdg-play
A web app that handles request over local-network and plays music. The backend of this app was written in **Go** and frontend in **React**

`Go` `React`

🎓 Relevant Courses

Object Oriented Programming
Aug' 17 - Nov' 17

In depth course on fundamentals of Object Oriented Programming with introduction of languages such as Java and C++

OOP Java C++

Optimization Techniques
Aug' 17 - Nov' 17

Fundamentals of optimization techniques used in Computer Science along with basics of Game Theory.

Linear Algebra Game Theory Scheduling

Data Structures
Jan' 18 - May' 18

An introduction to fundamentals data structures used in Computer Science along with basics of Number Theory.

Data Structures Algorithm Number Theory

💼 Work and Volunteering

**May' 18
Present**

Hacker, InfoSec, IIT Roorkee
InfoSec is a group of students that spread awareness about information security
> Spread awareness about Information and Cyber Security
> Conduct CTFs, *viz*, backdoorCTF, n00bCTF

**Jan' 18
Present**

Developer, Mobile Development Group, IIT Roorkee
MDG is a small group of students that foster android development in the campus premise
> Spread knowledge about android and related technologies
> Conduct open lectures for campus students

**Jan' 18
Mar' 18**

Android Developer, Cognizance, IIT Roorkee
Cognizance is the official technical festival of IIT Roorkee.
> Improved UI and UX of the Android app.
> Worked on REST APIs

**May' 17
Jul' 18**

Cadet, National Cadet Core, IIT Roorkee
The NCC is an Indian military cadet corps with its Headquarters at New Delhi, Delhi
> Organized Blood Donation Camps, Tree Plantation Drive, etc.

🌐 Languages

English ●●●●○
Hindi ●●●●●

➕ Forces

> Passion
> Self-Starter
> Motivated

💼 Position of Responsibility

**Dec' 18
Jan' 19**

Mentor, Winter of Code, MDG
WoC is an event, just like GSoC, conducted jointly by MDG and SDSLabs
> Mentored a bunch of students to make android application during their winter holidays
> Interviewed selected students

**Dec' 18
Jan' 19**

Organizer, Droid Wars, MDG
Droid Wars is an event conducted by MDG where students make android applications based on predeclared theme
> Mentored some students
> Conducted interview of selected students