

Rohit ASHIWAL

Computer Science Junior @ Indian Institute of Technology Roorkee

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

SKILLS

Programming	Python, Java, Kotlin, Go, JavaScript
System Programming	C/C++, Rust
Web Technology	React.js, HTML5, CSS3, Bootstrap
Utilities	Git, Shell Scripting, Vim, SQL, L ^A T _E X

OPEN SOURCE

GIT FOR WINDOWS

FEB' 19 - MAR' 19

 [git-for-windows/git](#)

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.



GIT

FEB' 19 - PRESENT

 [git/git](#)

There are two backends available for rebasing, *viz*, the am and the interactive. Naturally, there shall be some features that are implemented in one but not in the other. The project aimed to remove inconsistencies in how the command line options are handled.



PROJECTS

APP1

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 tasks in android app and processing csv and xsl file for attendence marking.



RUSTY-SNAKE

DEC' 18 - JAN' 19

 [r1walz/rusty-snake](#)

It is a simple snake game developed by using Rust and piston_window.



GO-PLAY

AUG' 18 - PRESENT

 [r1walz/go-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.



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.





RELEVANT COURSES

OBJECT ORIENTED PROGRAMMING	AUG' 17 - Nov' 17
OPTIMIZATION TECHNIQUES	AUG' 17 - Nov' 17
DATA STRUCTURES	JAN' 18 - MAY' 18
COMPUTER ARCHITECTURE AND MICROPROCESSORS	AUG' 18 - Nov' 18
OPERATING SYSTEMS	JAN' 19 - MAY' 19
SYSTEM SOFTWARE	JAN' 19 - MAY' 19

WORK

May' 19 Present	Student Software Developer, GIT, Google Summer of Code Google Summer of Code is a global program focused on bringing more student developers into open source software development. <ul style="list-style-type: none">➢ Worked with Git to improve consistency of sequencer commands➢ Added requested features to git-for-windows
May' 18 Present	Hacker, INFOSEC, IIT Roorkee InfoSec is a group of students that spread awareness about information security. <ul style="list-style-type: none">➢ Spread awareness about Information and Cyber Security➢ Conduct CTFs, viz, backdoorCTF, n00bCTF
Jan' 18 Jan' 19	Developer, MOBILE DEVELOPMENT GROUP, IIT Roorkee MDG is a small group of students that foster android development in the campus premise. <ul style="list-style-type: none">➢ 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. <ul style="list-style-type: none">➢ Improved UI and UX of the Android app.➢ Worked on REST APIs
May' 17 Jul' 18	Cadet, NATIONAL CADET CORPS, IIT Roorkee The NCC is an Indian military cadet corps with its Headquarters at New Delhi, Delhi <ul style="list-style-type: none">➢ Participated in the Guard of Honor Parade➢ Conducted Blood Donation Camps, Tree Plantation Drive, etc