

# Rohit Lodha

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## EDUCATION

**BITS PILANI, PILANI CAMPUS**  
**B.E IN COMPUTER SCIENCE (HONS.)**  
June 2019 | Pilani, India  
CGPA: 9.36

**ST. ANSELM'S PINK CITY**  
**SCHOOL**  
May 2015 | Jaipur, India  
12<sup>th</sup> - 94.2%  
10<sup>th</sup> - 10 CGPA

## LINKS

Github:// [rtgdk](#)  
LinkedIn:// [rohitrtg](#)  
Facebook:// [rohit.lodhartg](#)

## COURSEWORK

**UNDERGRADUATE**  
Machine Learning  
(Course Topper)  
Data Structures and Algorithms  
Object Oriented Programming  
(Teaching Asst)  
Computer Programming  
(Teaching Asst)  
Image Processing  
Cryptography  
Operating Systems  
Logic In Computer Science  
Database Systems  
Microprocessor and Interfacing  
Computer Architecture  
Unix Tools and Scripting

## SKILLS

### PROGRAMMING

Python • Java • Scala • Ruby  
JavaScript • C • SQL • R

### FRAMEWORK/TOOLS

Django • Node.js • React • Android Studio  
AWS • Cucumber • BDD latex

## OPEN SOURCE CONTRIBUTION

[Software Package Data Exchange \(SPDX\)](#)  
[Inkscape](#)  
[Open Web Application Security Project \(OWASP\)](#)

## SOCIETIES

Web Technical Head - Society for Student  
Mess Services (SSMS)  
Joint Secretary - Computer Science  
Association (CSA)

## EXPERIENCE

**RUBRIK | SOFTWARE ENGINEER**  
November 2020 - Present | Bengaluru, India  

- Working on NoSQL Databases protection

**QUBOLE | MEMBER OF TECHNICAL STAFF**  
January 2019 - November 2020 | Bengaluru, India  

- Implemented Package Management for efficient and distributed install of modules on clusters in AWS, GCP, Oracle and Azure
- Implemented features over Apache Zeppelin
- Improved Automation Testing by developing parallel execution strategy

**SPACE TELESCOPE SCIENCE INSTITUTE (NASA) | SUMMER INTERN**  
June 2018 - August 2018 | Baltimore, MD, USA  

- One of the 14 people selected globally
- Created the Sky Map portal of NASA's Hubble Space Telescope for public outreach of Hubble imagery and discoveries [[Youtube Presentation](#)]

**GOOGLE SUMMER OF CODE | MENTOR**  
May 2018 - Present | Software Package Data Exchange (SPDX)  

- Mentoring students on open source projects

**GOOGLE CODE-IN 2017 | MENTOR**  
November 2017 - January 2018 | SugarLabs, coala and JBoss  

- Introduced dozens of high school students to the world of open source

**GOOGLE SUMMER OF CODE 2017 | STUDENT DEVELOPER**  
May 2017 - September 2017 | Software Package Data Exchange (SPDX)  

- SPDX Online Tool (Mentors : [Gary O'Neill](#) and [Philippe Ombredanne](#))** : By forming a Python - Java bridge, implemented an all-in-one portal to parse SPDX documents for validation, comparison and conversion [[GitHub Repo](#)]

## PROJECTS

**CONCURRENCY TESTING USING UML SEQUENCE DIAGRAMS**  
Jan 2017 - May 2017 | BITS Pilani, Pilani Campus  
Developed a software to generate test cases from Unified Modeling Language (UML) Sequence Diagrams to analyze and depict dynamic runtime behavior of a system using Java GUI under [Dr. Pankaj Vyas](#) [[GitHub Repo](#)]

**SSMS GRUB PORTAL | APOGEE 2017 WINNER**  
Aug 2016 - Dec 2016 | BITS Pilani  
Headed the development of [SSMS Grub Portal](#), to curb fake signings in the university campus by providing transparency and automating the signing process. The college now uses the portal as the official signing website. [[GitHub Repo](#)]

**VIZAID | MICROSOFT CODE.FUN.DO 2017**  
Jan 2017 - Feb 2017 | BITS Pilani  
Designed an Android App providing face recognition, emotion detection and image-to-text conversion for the visually impaired people using Microsoft Cognitive and Machine Learning APIs [[GitHub Repo](#)]

## AWARDS

2019	Spotlight Award	Qubole
2017	Winner, Software Design	APOGEE 2017, BITS Pilani annual tech fest
2015	347 All India Rank	Kishore Vaigyanik Protsahan Yojana (KVPY) fellowship
2015	1017 All India Rank	JEE Advanced