# Rohit Lodha

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## EDUCATION

### BITS PILANI, PILANI CAMPUS
B.E in Computer Science
Expected May 2019 | Pilani, India
CGPA: 9.23

### ST. ANSELM'S PINK CITY
School
Grad. May 2015 | Jaipur, India
10 th - 10 CGPA
12th - 94.2%

## LINKS

Github:// **rtgdk**
LinkedIn:// **rohitrtg**
Facebook:// **rohit.lodhartg**

## COURSEWORK

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

## SKILLS

**PROGRAMMING**
Python • Java • C • JavaScript
C++ • SQL • R • MATLAB

**FRAMEWORK**
Django • Android Studio

## OPEN SOURCE

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

### 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 2018 | Mentor
May 2018 - August 2018 | Software Package Data Exchange (SPDX)
- Mentored two 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'Neall 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 ]

### YRALS DIGITAL | Software Engineering Intern
May 2017 – July 2017 | Mumbai, India
- **Twitter Trends Recommendation Engine** : Analysis of trending hashtags using regression algorithms to predict their peaks and find probable rising trends.

## PROJECTS

### OBJECT DETECTION USING HIGH SPEED VISION
Aug 2017 – Dec 2017 | Central Electronics Engineering Research Institute
Worked under Pramod Tanwar on a project based on Image processing for object identification and machine learning algorithms for color and shape based tracking

### 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 analyse 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 campus by providing transparency and automating the signing process. The portal is now used by the college as the official signing portal [ 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

| 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 |