

# Rohit Lodha

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## EDUCATION

### **BITS PILANI, PILANI CAMPUS**

**B.E IN COMPUTER SCIENCE**

Expected May 2019 | Pilani, India

CGPA: 9.26

### **ST. ANSELM'S PINK CITY**

**SCHOOL**

Grad. May 2015 | Jaipur, India

10<sup>th</sup> - 10 CGPA

12<sup>th</sup> - 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 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

### **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'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 ]

### **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 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

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