

Rohit Lodha

<https://rtgdk.github.io/>
rohit.lodhartg@gmail.com | +91-8384998457

EDUCATION

BITS PILANI, PILANI CAMPUS

B.E IN COMPUTER SCIENCE

Expected May 2019 | Pilani, India

Cum. GPA: 9.17

ST. ANSELM'S PINK CITY

SCHOOL

Grad. May 2015 | Jaipur, India

10th - 10 CGPA

12th - 94.2%

LINKS

Github:// [rtgdk](#)

LinkedIn:// [rohitrtg](#)

Facebook:// [rohit.lodhartg](#)

COURSEWORK

UNDERGRADUATE

Machine Learning

Image Processing

Cryptography

Data Structures and Algorithms

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++ • Scheme • 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

GOOGLE CODE-IN 2017 | MENTOR

November 2017 - January 2018 | SugarLabs, coala and JBoss

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, built an all-in-one portal to upload and parse SPDX documents for validation, comparison and conversion and search SPDX license list. [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.
- **GIF Suggestions** : Recommending GIFs by analyzing the article text for keywords and sentiments using natural language processing.

PROJECTS

OBJECT DETECTION USING HIGH SPEED VISION

Aug 2017 - Present | Central Electronics Engineering Research Institute, Pilani

Working under Pramod Tanwar on a project based on Image processing for object identification and machine learning algorithms for color and shape based tracking. [GitHub Repo]

GLOVE-BASED GESTURE RECOGNITION SYSTEM FOR IPSL

Sept 2017 - Present | DST, India and Texas Instruments

Using neural network and a microprocessor, training and embedding the system in a glove to help mute people communicate using their mobile phones, in which the text will be fed using the Indo-Pakistan Sign Language (IPSL) gestures which is further processed to give speech as output.

CONCURRENCY TESTING USING UML SEQUENCE DIAGRAMS

Jan 2017 - May 2017 | BITS Pilani, Pilani Campus

Worked under Pankaj Vyas to generate test cases from Unified Modeling Language (UML) Sequence Diagrams to analyse and depict dynamic runtime behavior of a system using Java GUI. [GitHub Repo]

SSMS GRUB PORTAL | APOGEE 2017 WINNER

Aug 2016 - Dec 2016 | BITS Pilani

Lead 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

Built an android App providing face recognition, image-to-text conversion and emotion detection 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
2014	National	National Standard Examination in Chemistry (NSEC)