Rohit Lodha

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EDUCATION

BITS PILANI, PILANI CAMPUS
B.E in Computer Science
Expected May 2019 | Pilani, India
Cum. GPA: 9.15

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
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'Neall 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 – Dec 2017 | Central Electronics Engineering Research Institute, Pilani
Worked under Pramod Tanwar on a project based on Image processing for object identification and machine learning algorithms for color and shape based tracking.

GLOVE-BASED GESTURE RECOGNITION SYSTEM FOR IPSL
Sept 2017 – Feb 2017 | 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

Year	Rank/Award	Description
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)