

EDUCATION

BITS PILANI, PILANI CAMPUS

B.E IN COMPUTER SCIENCE

June 2019 | Pilani, India

CGPA: 9.36

ST. ANSELM'S PINK CITY

SCHOOL

May 2015 | Jaipur, India

12th - 94.2%

10th - 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

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

QUBOLE | SOFTWARE ENGINEER

January 2019 - Present | 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

OBJECT DETECTION USING HIGH SPEED VISION

Aug 2017 - Dec 2017 | Central Electronics Engineering Research Institute

Worked under Pramod Tanwar on object identification through image processing and machine learning along with 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

2019 Spotlight Award

2017 Winner, Software Design

2015 347 All India Rank

2015 1017 All India Rank

Qubole

APOGEE 2017, BITS Pilani annual tech fest

Kishore Vaigyanik Protsahan Yojana (KVPY) fellowship

JEE Advanced