Rohit Lodha

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EDUCATION

BITS PILANI, PILANI CAMPUS
B.E in Computer Science (Hons.)
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**
Website:// **rtgdk.github.io**

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 • GolanRuby
JavaScript

FRAMEWORK/TOOLS
Django • React • Android Studio
AWS • 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

RUBRIK | Software Engineer
November 2020 - Present | Bengaluru, India
- Building Distributed Backup Service for MongoDb, Cassandra and MySQL Databases protection
- Implemented incremental and full backup strategies, reducing backup storage requirements by 70%
- Optimized Recovery Time Objectives(RTO) by 55% of Key-Value store databases by implementing data deduplication techniques

QUBOLE | Member of Technical Staff
January 2019 - November 2020 | 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

GOOGLE SUMMER OF CODE | Mentor
May 2018 - Present | Software Package Data Exchange (SPDX)
- Mentoring students on open source projects

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 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]

PROJECTS

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	Spolight Award	Qubole
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