

Rohith Varma Buddaraju

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PROJECTS

Katana

- Katana is an Attack and Defence CTF platform written in Go. It aims to simplify the process of hosting an Attack and Defence CTF using the help of Kubernetes.
- Created terraform files to automate the creation of the Kubernetes clusters in Azure and GCP. Written Go code to run these Terraform files without the terminal.

Slack Bot

- Slack Bot is a chatbot written in Go which helps to store information of the members of SDS Labs, IIT Roorkee. It also allows members to give points to other members for doing tasks well and more.
- Added the ability to extract the video ID from a Youtube link using Regex and add this video to a playlist through the Youtube API in Go.

Open Source Career Aid

- Open Source Career Aid is a website, unreleased project by Chinmay Srivatsan, an IIT Roorkee Alumnus. This website aims to help college students find appropriate resources to pursue various fields.
- The project Tech Stack is - ReactJS, Django, PostgreSQL.
- Created the Django backend to store the data and send them to the Frontend when requested.

Quizio

- Quizio is a web platform to host quizzes. It was built by SDS Labs to primarily conduct tests in IIT Roorkee.
- Created an api to upload images to the server and created the timer service to maintain the countdown timer for all the users.

Brian Simulator

- Brian Simulator is an open source Python library which simulates spiking neural network. The repository is hosted on [GitHub](#)
- Created a GitHub Action to replace an Azure Pipeline for automated unit testing of the code. Also fixed bugs and documentation errors.

EDUCATION

Indian Institute of Technology Roorkee

Bachelor of Technology in Electronics and Communication: SGPA - 8.78

November 2020 – Present

Roorkee, India

Maharishi Vidya Mandir

Higher Secondary Certificate – 98.0 %

June 2018 – July 2020

Chennai, India

PSBBSS School

Secondary Certificate – 91.4 %

April 2005 – May 2018

Chennai, India

SKILLS

Languages : Python, C++, Java, Golang, JavaScript, Dart, HTML, CSS, SQL, PHP, Verilog

Framework and Libraries : Django, NodeJS, ExpressJS, ReactJS, Flutter, Youtube API, GitHub Actions, Pandas, SKLearn, Numpy, Keras, OpenMP

Tools : Figma, Git, GitHub, VS Code, Pycharm, Linux, Postman, MySQL

EXTRACURRICULAR ACTIVITY

SDSLabs

March 2021 – Present

Developer

Roorkee, India

- SDSLabs, IIT Roorkee is a group of developers and designers who aim to promote software development in the college.
- We work on various projects such as Cerebro, Rootex, Backdoor etc.
- Visit our [website](#) and [GitHub](#) pages.

Corporate Interactions Group

July 2021 – Present

Web Developer

Roorkee, India

- Corporate Interactions Group aims to bridge the gap between academics and the industry.
- We aim to hold workshops and talks by eminent people from the corporate world.
- Visit our [Linkedin](#) page.

Cognizance

December 2021 – Present

Web Developer

Roorkee, India

- Cognizance, the Annual Technical Festival of IIT Roorkee, is the conjugation of some of the finest technical minds in the country with a platform for them to promulgate their skills and aim to reach the pinnacle of their talents.

ACHIEVEMENTS

- Participated in Beginner's Hypothesis Contest held by Data Science Group, IIT Roorkee. In this contest, dataset is provided that has to be categorized using machine learning algorithms. A detailed solution is available at the [link](#).
- 1227 rank in JEE Advanced 2020 among 2.5 lakh students.
- 1765 rank in JEE Mains 2020 among 10 lakh students.
- 1455 rank in KVPY SX Stream 2020 among 1 lakh students.
- 371 rank in KVPY SA Stream 2019 among 1 lakh students.