

# Mridul Gain

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## Summary

I am an open source enthusiast with skills in building, deploying, managing & testing modern cloud native tools & services.

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## Industry exposure

### Software Engineer II

Avesha · Bangalore, Karnataka 06/2022 – Present

- Product name: Kubeslice
  - Implementing features in k8s custom operator
  - Writing Unit/Integration/E2E tests

### Software Engineer

One Convergence™ · Hyderabad, Telangana 05/2020 – 05/2022

- Product name: CISCO ACI CNI
  - Test case addition & maintenance of an automated test framework for the ACI CNI.
  - Maintain & add features in "acc-provision" python package.
  - Investigate & debug ACI container related issues.

### Intern

eTrans Solutions Private Limited · Kolkata, West Bengal 12/2018 – 12/2018

- Worked on a RESTful web based microservice using Spring framework.
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## Publication

- Detection of Potential Citation Clubs in Bibliographic Networks
    - Presented at *2nd International Conference on Data Science & Applications(ICDSA2021)*
    - Published in *Lecture Notes in Networks and Systems, vol 287. Springer, Singapore.*
      - Print ISBN 978-981-16-5347-6
      - Online ISBN 978-981-16-5348-3
    - [https://doi.org/10.1007/978-981-16-5348-3\\_56](https://doi.org/10.1007/978-981-16-5348-3_56)
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## Academics

### Masters in Computer Application

University of Hyderabad · Hyderabad, Telangana Graduated 07/2020

- CGPA 9.42
- Recipient of A.P. Mahesh Bank Medal for highest CGPA

### BSc. honours in Computer Science

Ramakrishna Mission Residential College(Autonomous) · Kolkata, West Bengal 06/2017

- Gold medalist
- Graduated with overall percentage 87.87%

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## Technical Skills

Linux, Python, Kubernetes, Docker, Jenkins, OpenStack, Django, Java, C, SQL, HTML, CSS, Javascript, PHP, JSP

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## Project works

### 1. Detecting communities within a network

- Built a python library to implement certain community detection algorithm.

### 2. Projectlogger

- A web app to collaborate with your supervisor inorder to keep track of the research papers that has been read along with corresponding notes and meeting minutes.

### 2. Simpletron

- Objective of the project was to mimic the design of a simple computer using C language.

### 3. Automated exam seat arrangement system

- Developed & deployed a seat arrangement automation during examinations on college server.
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## Competitions and Hackathons

### 1. Member of the winner team at Smart India Hackathon, 2019

- Problem statement : Alternative authentication system
- Worked on secret sharing algorithm.

### 2. Secured 4th position at Code'athon, 2019

- An intra school coding competition in University of Hyderabad.

### 3. Finalist at Smart India Hackathon, 2018

- Problem statement : Potential breaking news detection from social media chatter
- Our team came into top 30 in this all India coding competition.
- Worked on prediction algorithm in this project.

### 4. Won 3rd prize in Bits Spin at Version, 2018

- Coding and impromptu presentation.
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## Languages

English, Hindi, Bengali