

## Education

### National Institute of Technology, Andhra Pradesh (NIT)

B TECH IN COMPUTER SCIENCE AND ENGINEERING | 2022 | [MARKS SHEET](#) | CGPA: 8.86 / 10.0

## Projects

### MergeURL.com

FLASK, MONGODB | BACKEND URL services | 368K Impressions | [#2 on Product Hunt](#) | [Live](#)

### API Key Handler

JS, PYTHON | DATA STRUCTURES  
API Key Handler implemented in log(n) time | [JS](#) | [Python](#)

### Winner Predictor using MCMC

PYTHON | MCMC, MH ALGORITHM  
Used MCMC method: MH Algorithm to predict the game winner | [Code](#)

### Movie Review Classification

PYTHON | MACHINE LEARNING  
Built logistic regression for review classification from scratch | [Code](#)

## Achievements

### Google Code-in 2017

Grand Prize Winner | Completed 69 tasks in code, design and docs | [Award](#)

### Smart India Hackathon 2020

Finalist | Wrote back-end for PASP mobile app using Flask MySQL | [Cert](#)

### Gnome CE challenge Phase 1

Winner | Won \$1000 cash for PoC to sustain FOSS engagement | [Article](#)

### Twitter Codechella Hack

Category Winner | Project Tweepsume won the Category Prize | [Cert](#) | [Code](#)

### Google Hashcode 2021

World Rank: 6522 | [Certificate](#)

## Volunteering

### Google Summer of Code |

MENTOR

2021 | Remote | [ongoing](#)

### Google Code-in | MENTOR

2018 & 2019 | Remote | [Certificate](#)

## Experience

### IBM India Software Lab (ISL) | SDE (INTERN)

Feb 2022 - June 2022 | Remote

Tech Stack: JS, React, Angular, Node JS, MongoDB, Carbon Design

Mentor: Marianne Flahaut

- Worked with AI Apps design team at IBM Canada Lab to develop Sponsor User Program (SUP) Portal.

### CERN Openlab (BE-ICS-FT) | SDE (SUMMER STUDENT)

July 2021 - September 2021 | Remote

Tech Stack: Python, Docker, Databases, PostgreSQL, TimescaleDB

Mentors: Rafal Kulaga, Dr. Anthony Hennessey

- Worked on benchmarking tools and performance evaluation of TimescaleDB and PostgreSQL for storage of historical data from WinCC OA SCADA systems.

### IBM Research (IRL) | RESEARCH SDE (INTERN)

May 2021 - June 2021 | Remote | [Project](#)

Research Areas: App Modernization, Hybrid Cloud, Code Analysis

Tech Stack: Golang, Python, Docker, Kubernetes

Mentors: [Ashok Kumar](#) | [Dr. Padmanabha Venkatagiri Seshadri](#)

- Reported optimal design choices for Netflix OSS transformation and decoupling EAR into EJB, WAR, and JAR to containerize and re-platform to Kubernetes.
- Wrote transformer plugins natively(Golang) to analyze source artefacts (Netflix OSS and Rust) and generate IR and target platform artefacts.

### Google Summer of Code - SCoRe Lab | STUDENT DEVELOPER

Summer 2020 & 2019 | Remote | Code: [2020](#) [2019](#)

Tech Stack: Python, Golang, Bash, Kubernetes, Docker, Locust, Flask, MySQL, Prometheus, Grafana

- (2020) Wrote Kubernetes scripts for monitor and alert functions of Prometheus
- Wrote Kubernetes scripts to visualize cluster metrics using Grafana
- Wrote client libraries in Python and Go with timeouts, retry, and rate-limiting
- (2019) Wrote optimal dockerfiles for Bassa (Web, Server, Aria2c, and MySQL DB)
- Wrote Kubernetes scripts for on-premise deployment over a single node cluster

## Open Source Contributions

|                                  |                    |                           |
|----------------------------------|--------------------|---------------------------|
| Major                            | Minor              | Patch                     |
| konveyor/move2kube               | microsoft          | hyperledger/fabric-sdk-py |
| ansible-community/ansible-bender | codeuino/donut     | fossasia                  |
| spdx/spdx-online-tools           | nit-andhra-pradesh | mozilla/webthingsio       |
| scorelab                         | sambaisla          | user-cont                 |

## Publications

Mehant Kammakomati, and Sai Vittal B. "MergeURL: An Effective URL Merging And Shortening Service". IJCSMC, 2020. [Link](#)

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Kammakomati, M., Tarun Kumar, P.V., Radhika, K. (2022). Comparison of Machine Learning Algorithms for Hate and Offensive Speech Detection. LNDECT Springer, Singapore. [Link](#)

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Mehant Kammakomati. (2021). Performance Evaluation of TimescaleDB for Storage of Historical Data from WinCC OA SCADA Systems. Zenoda (CERN) [Link](#)