

Ruturaj Mohite

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📍 Bangalore, India

🔗 <https://github.com/gr455>

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Education

Integrated Master of Technology

Computer Science and Engineering - International Institute of Information Technology, Bangalore - 3.54/4

📅 2019 - 2024 (Ongoing)

📍 Bangalore, India

Intermediate

DAV Public School - 94%

📅 2019

📍 Pune, India

Projects

Secure Elections

📅 September 2020

🔗 https://github.com/zense/sac_elections_2020

Web portal to host secure elections. It maintains the anonymity of the voter from all the other voters and candidates. The data integrity is preserved through a cryptographic hash check which prevents the votes in the database from being altered while preserving anonymity of the vote.

Roles:

- Backend logic for the application flow
- Implementation of cryptographic system for data integrity
- Implementation of DevOps workflow for the app

Zense CTF

📅 June 2020

🔗 <https://github.com/gr455/zensectf>

A Jeopardy type Capture the Flag (CTF) containing challenges related to various domains of Information Security.

Roles:

- Creation of Web Security challenges
- Production server management

vSOS

📅 2020 - 2021

🔗 <https://github.com/gr455/vSOS>

A 32-bit operating system for x86 systems.

Features:

- Interrupt handling
- Shell
- Multiprocessing

Skills

- Python, JavaScript, C, C++, Ruby
- Django
- NodeJS
- Docker
- Networks
- Web Security
- Operating Systems

Experience

PublicLab

Open Source Developer

📅 January 2020

<https://spectralworkbench.org>

- Migrated project to newer Rails version
- Fixed DevOps related bugs
- Improved test coverage

CircuitVerse

Google Summer of Code Developer

📅 June 2021

<https://circuitverse.org>

- Implemented the Testbench to automatically test circuits created on the simulator
- Redesigned the interface for creation of tests for automated testing

PORs

Core Member

Zense

📅 September 2020 – present

- Lead projects
- Co-organized events

Core Member

Zense Infosec

📅 May 2020 – present

- Participated in CTF competitions (World rank 235 on CTFtime)
- Co-organized a CTF Event