

# Rahul Tiwari

Computer Science Undergraduate from VIT University Vellore, 2020 (CGPA - 8.57)

+91 9460467919

[jprrahultiwari@gmail.com](mailto:jprrahultiwari@gmail.com)

[github.com/invinciblycool](https://github.com/invinciblycool)

<https://www.linkedin.com/in/rahul-tiwari-43708b128/>

<https://stackoverflow.com/users/6793666/invinciblycool>

## PROGRAMMER/DEVELOPER SUMMARY

---

- Back end developer with Python/Django and Golang.
- Open Source Contributor with love for FOSS and personal finance.
- Software Developer at Spaisa Capital Ltd.
- Systems Reliability Engineering Intern at Nutanix
- Information Security Intern at Gap Inc.
- Software Development Intern at Fullerton India.
- Mentored 13-17 year old students as a part of Google Code-In 2017.

## INTERESTS

---

Python3, Linux, Personal finance, and football(winger).

## EMPLOYMENT & EXPERIENCE

---

- **Software developer at Spaisa Capital Ltd.(Present)**
- **Systems Reliability Engineering Intern at Nutanix**
  - Cloud concepts including Linux, Virtualization, Networking and various hypervisors.
  - Back end architecture(Flask+SQLAlchemy) of an internal tool for workforce management.

*Jan, 2020 - Present*

- **Information Security Intern at GAP Inc.**
  - An asset management dashboard for the organization to easily track and view vulnerable assets.
  - A comparative study between the tool in operation and other likewise alternatives.

*May, 2019 - July, 2019*

- **Software Development Intern at Fullerton India Credit Co.**
  - Developed the REST API for FINlit - a personal finance manager which brings the power of corporate finance to the retail sector.

*May, 2018- July, 2018*

- **Google Code-In Mentor**
  - Reviewed over 50 Pull Requests and mentored 8-10 students as a mentor for FOSSASIA.

*November, 2017– January,2018*

## PROJECTS

---

### Bundle

A platform suggesting tailored hybrid investments in government securities.

NSE in collaboration with RBI has recently made it possible for retail investors to start investing in Government Securities, mainly the long-dated bonds and treasury bills (T-bills).

Deployed Prototype at <https://bundle404.herokuapp.com/>

Code repository at <https://github.com/invinciblycool/Bundle>

### dj-redisgraph[WIP]

An Object Graph Mapper to use Django model definitions and queries with RedisGraph.

The Django package is still in development as a private repository.

### Tardigate

A dynamic application level firewall with deep packet flow inspection and real time packet flow classification using random forest classification. <https://github.com/invinciblycool/tardigate>

### Campaign-mailer

A highly scalable bulk emailing manager with celery for asynchronous queuing and easily configurable scheduling.

Code repository at <https://github.com/invinciblycool/campaign-mailer>

### Zero-task

Minimalist cherryPy application which displays top 10 traded scrips on BSE by caching daily data in Redis.

Deployed at <https://zero-task.herokuapp.com/>

Code repository at <https://github.com/invinciblycool/zero-task>

### Forte

An asset management dashboard built for Gap Inc. to easily track and view vulnerable assets. The dashboard is powered by Elasticsearch for blazing fast and intelligent searching through millions of records and searchable fields and features a rich UI built with ReactJS.

### Minimal-lfs

A Linux based OS from scratch by following the famous Linux from Scratch book. The book Linux from Scratch is a detailed documentation containing step by step procedure for installing all the bare minimum necessary for a lean and a minimal Linux based distribution.

Book can be found at <http://www.linuxfromscratch.org/lfs/>

Documentation at <https://github.com/invinciblycool/minimal-lfs>