Balamurali M

balamurali27.github.io/website

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Objective

Open source developer; worked on projects using Python & JavaScript. Interested in system programming and working on projects based on it.

Experience & Positions of Responsibility

- **Treasurer and active member**, Tinkerhub Chapter [2017-18]

  Tinkerhub Foundation is a non-profit initiative aimed at empowering young people with technical and social skills. I helped in coming up with ideas on next Tinkerhub events being a member of core committee.

- **Committee member**, Web 404 [Feb 2018]

  Event organising committee member for Web404 for national level techno-cultural fest RITU 2018. A website designing competition using html, css, js and frameworks of choice. Involved in discussions for the event and set up machines for the participants to use.

- **Interrim treasurer**, IEEE, RIT chapter [2018]

  Operated as interim treasurer for IEEE - RIT during new admissions in the absence of treasurer.

- **Committee member**, Onehack [Feb 2018]

  Event organising committee member for Onehack; RIT's first 24-hour hackathon conducted during RITU 2018. Involved in discussion on selection of topic for the event and other volunteer work.

Skills

- Programming Languages

```
Proficient in JavaScript, Python, C, HTML5, node.js, Java, shell scr
and markdown. Familar with c++
```

- Tools

```
    Git, Gdb, Adb, Jekyll, Vim, VS code, Gimp, Photoshop, Openshot
```

- Platforms

```
    Fedora Linux, Ubuntu Linux, Arch Linux, Windows
```

Hobbies

- Tweaking my system to use less RAM and to be a faster programmer.

- Working out.

- Reading posts on Reddit & Instagram.

- Watching TV Series and reading comics.

Education

- Rajiv Gandhi Institute of Technology, Kottayam [2016-Present]

  B.Tech Computer Science CGPA: 8.1

- N.S.S Higher Secondary School, Kottayam [2016]

  12th Percentage: 96.33%

- Bishop Speechly Vidyapeeth, Kottayam [2014]

  10th Percentage: 92.5%

Portfolio

- **My Setup** github.com/balamurali27/dotfiles

  A custom install of Arch Linux with full disk encryption (LVM on LUKS) and a btrfs formatted root partition which allows me to take snapshots really quick and easily. It is also safe from evil-maid attacks. I also use a custom window manager (awesome) to get better performance on my laptop. I also write scripts to automate installation of my setup on other systems.

```
    Shell script
```

- **Voyager** github.com/chimichanga17/Voyager

  An app that guides you which buses to take so as to reach a pariticular destination.

  ```
    Google maps API, HTML5, CSS, JS, Cordova, Node.js
  ```

- **death-node-server** github.com/balamurali27/death-node-server

  A simple way to stream your media across all your devices.

  ```
    Node.js, Express.js
  ```

- **betterlockscreen** copr.fedorainfracloud.org/coprs/balamurali27/betterlockscreen

  Packaged a lockscreen software for rpm based Linux distributions.

  ```
    rpkg
  ```

Achievements

- 86% in NPAT

  National Programming Aptitude Test conducted by

  > *NPTEL in association with ACM India and powered by Google*

- Handled database of 1400+ students

  I was entrusted with the task of collecting and organizing the data of students of RIT about their transportation details by the acting College Bus Representative. Data was collected with Google forms and organized using subset of SQL supported in Google Sheets.

- 1st place, Rush hour

  Technical event conducted during RITU 2k18 conducted by

  > *MCA department of RIT*

- 1st place, Ionic app development hackathon

As a group, we were awarded 1st prize for making the best hybrid android app. An app development hackathon conducted as part of

> IEEE Student Quality Improvement Program (ISQIP) held from 19th - 20th June, 2017 at College of Engineering, Chengannur.

- Shell script to recover browser cookies

Wrote a shell script to retreive a friend's firefox cookies after he'd deleted them permanently. Cookies were sqlite files recovered using a tool called `photorec.`