Roshan R Chandar

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EDUCATION

College of Engineering Trivandrum *2019 - 2023*

Bachelor of Computer Science

GPA 8.56 as for S4

EXPERIENCE

GNOME Foundation *2019 - Present*

Contributor

- Contributed to GNOME Files, the official file manager for GNOME, GNOME Connections and GTranslator.
- Familiarised with Gtk technology and languages such as C, Python and Vala.
- Improved other applications in the GNOME Ecosystem like BlackBox and Splash.

Website for College Technical Fest *2022*

Lead Developer

Campus Ambassador Website

https://drishti-campus-ambassador.cet.ac.in/

- Portal for applying for campus ambassador programme for drishti.
- Built the backend using Django Rest Framework with support for Token Based Authentication

Main Website

http://drishti.cet.ac.in/

- Implemented a 3d Scene for the website using ThreeJs
- Developed a REST API Endpoint for serving json files containing information about various workshops and competitions.

TECHNICAL SKILLS

Programming Languages : Python, Javascript, C, Vala

Libraries/Frameworks   : Django, React, Gtk, Tailwindcss

Tools / Platforms   : Linux, Windows, Git

Databases   : PostgreSQL

PROJECTS

Wazam *Javascript, Tailwindcss, Django*

https://wazam.ml/

- Wazam is a cross platform web app for Shazam
- Listens to your microphone and identifies the current song that is playing.
- Created frontend through vanilla javascript and tailwindcss. Backend implemented using django.
- Site is deployed using Repl.

Termv
Bash, Make

https://github.com/Roshan-R/termv

- Command line application to select and play a variety of live TV channels.
- Source list is taken from iptv-org.
- 120+ stars in github and an active contributor base.

PyDrop
Python, Gtk

https://github.com/Roshan-R/PyDrop

- Desktop application to make drag-and-drop easier in Linux.
- Drag files, links and text to PyDrop and Drop them somewhere else.
- Created using Gtk3 and Python.
- Setup github action which produces a flatpak file for easy testing and installation.

Applock
C, Gtk, Python

https://github.com/Roshan-R/applock

- Application that will lock and protect apps using a password
- Works exclusively on linux and does so by sending appropriate kill signals.
- Configuration is stored in a config file manipulated using libconfig
- Uses SHA-1 hashing to store password
- Work in progress GUI for applock using Gtk and Python

HONOURS AND AWARDS

- First Runner up for The Reflections Automotive Challenge organised by Bloombloom and Kerala Startup Mission
- Semi-Finalist for Reboot Kerala Hackathon organised by ASAP Kerala, 2020.
- Top 50 selected for HAC'KP hackathon conducted by Kerala Police.
- FOSS Mentor for TinkerHub CET
- Member of Tech team for CETalks, the college radio.