SAROJ MAHATO

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stackoverflow.com/users/12743323/creator54 | creator54.me

EDUCATION

B.Tech in Information Technology   2018-2022
University College of Engineering and Technology, VBU, Jharkhand, India

EXPERIENCE

Package Mantainer, NixOS/Nixpkgs   Nov 2021 - present
- Packaged grapheme: A Python package for grapheme aware string handling,
- Packaged instaloader: a tool to download pictures (or videos) along with their captions and other metadata from Instagram,
- Packaged pydeck: Large-scale interactive data visualization in Python.

  For easy availability inside a Nix/NixOS Linux environment using **Nix, SHELL.**

Contributor, Flameshot.org/Flameshot   Jul 2021 - present
- Improved documentation,
- Helped set flameshot build environment for **Nix/NixOS Linux** Distribution.

  using **Markdown, Nix.**

Web-Development intern, Sparks Foundation   Jul 2021 - Aug 2021
- Created a Bank Mockup site using **Reactjs** and automated with **github-actions** to update dependencies using **dependabot.**

Contributor, Microsoft/Winget-pkgs   Jul 2021
- Packaged **WiseCare365**: Windows management utility for winget cli package manager using **POWERSHELL .**

TECHNICAL SKILLS

O.S.: Windows, Linux Distributions
Languages: C, C++, Shell, Python, SQL, Markdown, Nix
Tools: AWS EC2, OCI, GCP, git, github, github-actions, Nginx, Ansible, networking, CI/CD, docker/podman, docker-compose, ssh, nvim, sed, awk, grep

PROJECTS

- blog.creator54.me: Created and hosted a blogging site for self-use using **nginx** webserver in **Oracle Cloud** wrote "**nginx rewrite rules**" to redirect creator54.me/blog and creator54.me/blog/ to blog.creator54.me .
- search.creator54.me: Deployed a **Docker** image of open-source Whoogle-search, did a docker proxyPass and hosted at search.creator54.me.
- Hosted more subdomains like tv.creator54.me for media files, cloud.creator54.me a nextcloud instance for sharing and storing files in general etc. All domains/sub-domains are encrypted and https secured using **Let's Encrypt Certificates,** configured **ACME challenges** on a **NixOS Linux** Environment using **Nginx on Oracle Cloud.**
- wallscraper : Developed a **Python + Bash** script to search, select and download wallpapers from the terminal via web-scraping wallpaperflare.com
- nixos-cfg: Created a configuration system in **Nix** to build **NixOS(GNU+Linux)** Operating System optimised for self-needs by cherry-picking tools, services, packages for my local and Cloud **Infrastructure as Code** and achieved a **reproducible**, preconfigured Local and Cloud Server Setup, reduced manual Operating-System configuration by upto 90%.
- arch-latest: Created an **ArchLinux Docker** image with few preinstalled utilities like wget, htop, yay etc for improved utility and patched glibc, hosted on DockerHub.
- android-image-modifier: Created a **Bash script** to make unpacking/repacking and modification of Android System Images easier so builders don't have to go though rebuilding System Images again for minor changes.

  Created and contributed to Open-Source projects, wrote more SHELL projects like fgit, mzish and Fish **SHELL** functions to improve my **Linux** workflow.

ACHIEVEMENTS AND AWARDS

- Solved questions related to standard data-structures in c/c++ on Hackerearth, passed Hackerrank C(Basic/Intermediate), Java(Basic) Test, participated in MANIT CODATHON 2021, 2020 and other Competitive Coding Challenges.
- Completed **AWS Training** in Introduction to Amazon Elastic Compute Cloud (EC2)
- Passed Linkedin Skill Assessments in BASH, C, Git, Python
- Stood 31'st on Hazaribagh District Level Chess Tournament.

HOBBIES

Chess, Football, Learning and Contributing to open-source tools and projects.