

+ summary

Developer, Writer, Geek, UX
Enthusiast

+ skills

WEB DEVELOPMENT: Rails, PHP,
Javascript, NodeJS
DEVOPS: Linux, Apache, Heroku,
Docker/Dokku, Ansible, Git
LINUX: Bash, Vim, Command Line

+ education

Indian Institute of Technology, Roorkee
B.Tech Production & Industrial Engineering 2015

+ projects

Muzi

Muzi is an online browser based music player used within the IIT-Roorkee campus. Current usage involves around 3000 songs listened every day. I was the lead on the project for more than two years. The application involves a lean PHP backend, and a heavy Javascript backed frontend. Its many features include:

- Shared playlists
- Live Tickr to see who's listening to what (Uses Server-Sent-Events)
- Slow Connection Mode (downgrades audio quality using lame-encoder on the fly)
- Ability to control the player in your browser using your phone as a remote.
- Keyboard shortcuts, saved preferences, Canvas based animated backgrounds.

More details are at <http://sdslabs.co/>

HackerTray

Open source PyGTK based application to read Hacker News in your system tray. Uses HN API and your default browser. Marks items as read using your browser history. Gets around 2000 installs per month.

Code is at github.com/captn3m0/hackertoy

Security Analysis of Browser Extensions (nullcon '14)

A small talk and paper presented at NULLCON-2014. Major work was done in detecting permission usage of various extensions, and their chance of privilege abuse.

Code and other details are available at github.com/captn3m0/nullcon2014

Hackathons and Events

- Winner, Deloitte Collegiate Cyber Threat Competition 2014
- Winner, Syntax Error(Hackathon) 2013
- Winner, Hack U (Yahoo Hackathon) 2012
- Winner, Adobe Express Apps Contest (Hackathon) 2012
- Winner, Deloitte Collegiate Cyber Threat Competition 2012

Miscellaneous Projects

- Filepanda - Self updating software repository for Windows. #PHP
- Amon - OAuth based tool for maintaining access to accounts. #Rails
- HackView - WebRTC based webapp for multi-party video chat and collaborative document editing. #NodeJS #WebRTC