

Work

- Jun'15 – Aug'15 **Student Developer**, *Google Summer of Code*, MetaBrainz Foundation.
Made improvements to a music review website called CritiqueBrainz. Added support for maintaining history of reviews, created an admin interface, improved code coverage, allowed other entities (like musical events) to be reviewed. [Code](#).
- Dec'14 – Jan'15 **Backend Intern**, *Cube26 Software Pvt. Ltd.*
Work primarily focused on developing a similarity based image searching algorithm in Python among other things.
- Jun'14 – Aug'14 **Student Developer**, *Google Summer of Code*, MetaBrainz Foundation.
Added new features to a music tagging tool called Picard and created a new website for it. Used Python (with Flask) for the backend and Bootstrap for frontend development. Used the Qt framework (via the PyQt bindings) to make GUI based additions to the tool. [Code](#).

Projects

- Apr'14 – Nov'14 **Ideabin**, Python (Flask), MySQL (SQLAlchemy), Bootstrap.
Developed a website that helps you manage your ideas and share them with people. [Code](#).
- Sep'13 – Mar'14 **Cryptex**, *Algorythm'14*, PHP, Bootstrap.
Created a web based code breaking challenge for our annual fest – Algorythm. [Code](#).
- Cheat**, Go.
Wrote a tool that allows you to create and view interactive cheatsheets on the command-line. It was designed to help remind *nix system administrators of the commands they use frequently, but keep forgetting. [Code](#).
- Network Usage Monitor**, Python, JavaScript.
Created an application to keep track of the amount of network bandwidth being used, and then plot the data using d3.js [Code](#).
- Fast File Finder**, Python, PyQt.
Created a GUI application to find files using the 'locate' tool as backend. [Code](#).
- Web Based Stuff**, PHP, Angular, Octopress.
Have handled a fair share of web based stuff which includes blogs (currently based on Octopress), an improved interface to search GSoC projects (using Angular.js), a PHP based personal website (using metroui.css)
- Scripts & Utilities**, Python, AutoHotkey.
Have written numerous little tools that perform tasks like sorting downloads, uploading screenshots, creating automatic music playlists, helping me decide what movie to watch, tagging my articles-to-read list, compressing and backing up data, creating a zero-byte disk mirror, importing data from iTunes to MusicBrainz, etc.
On Windows, I use an automation language called AutoHotkey, but for the stuff that I need to use on *nix platforms as well, I prefer Python.

Most of the above projects, and more, open-sourced at <http://github.com/dufferzafar/>

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Education

2012 – 2016 **B.Tech**, *Computer Engineering*, Jamia Millia Islamia, New Delhi, 9.1/10.

2010 – 2011 **Class XII**, S. N. Sidheshwar School, Gurgaon, 91%.

2008 – 2009 **Class X**, S. R. Century School, Bahadurgarh, 88%.

Communication

Jan'15 **Python Meetup**, Zopper, Noida.

Delivered a talk on getting started with Flask (a web micro-framework for Python.)

Jan'15 **GSoC Meetup**, Jamia Millia Islamia, New Delhi.

Delivered a presentation on what my GSoC project was about and how people could start contributing to the MusicBrainz project.

Technical Skills

Programming Languages, C/C++, Python, PHP, AutoHotkey.

Web, HTML, CSS (LESS), JavaScript, Octopress.

Operating Systems, Windows, Linux.

Others, git, \LaTeX .