

Tarashish Mishra

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PROFILE

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github.com/sunu

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Software artisan with a passion for delivering value by developing maintainable software.

WORK EXPERIENCE

The Python Software Foundation

Google Summer of Code Student Developer, May 2013 - September 2013

- ▶ Worked with OpenHatch and Oppia to simplify the process of creating and maintaining Openhatch missions by using Oppia as a platform.
- ▶ Reorganized the Oppia codebase to make it more modular.
- ▶ Languages, frameworks and platforms used: Python, Django, Google App Engine, WebApp2, Werkzeug.

The Python Software Foundation

Google Summer of Code Student Developer, April 2015 - August 2015

- ▶ Worked with Scrapinghub to modernize Splash.
- ▶ Worked on moving Splash from Qt4/PyQt4 to Qt5/PyQt5.
- ▶ Ported Splash, several dependencies like qt5reactor, pyre2 and Twisted modules to Python 3.
- ▶ Improved the interfacing between Python API of Splash and the underlying Lua sandbox.
- ▶ Updated Docker images.
- ▶ Languages and frameworks used: Python (both 2 and 3), Twisted, Qt/PyQt, pytest, Docker, Lua.

OPEN SOURCE CONTRIBUTIONS

Oppia | [website](#) | [code repository](#)

- ▶ Worked on experimental Django porting.
- ▶ Introduced new features like hints and tar widgets.
- ▶ Set up automated testing with Travis CI.
- ▶ Link to commits: <https://github.com/oppia/oppia/commits/develop?author=sunu>
- ▶ Languages, frameworks and platforms used: Python, Django, JavaScript, AngularJS, Bash scripts, Travis CI

MoinMoin wiki | [website](#) | [code repository](#)

- ▶ Worked on supporting Google App Engine as a platform.
- ▶ Added web interface for wiki index operations on App Engine.
- ▶ Implemented user authentication, mail sending features on App Engine platform.
- ▶ Link to commits: <https://bitbucket.org/thomaswaldmann/moin-2.0/commits/all?search=sunu>
- ▶ Languages, frameworks and platforms used: Python, Flask, Google App Engine

Twisted | [website](#) | [code repository](#)

- ▶ Ported twisted.web.proxy and twisted.python.urlpath to Python 3.
- ▶ Reported and fixed bugs in twisted.web.http.

Others

- ▶ Contributed small patches to several open source projects like Mozillians, Mozilla Reps portal, Whoosh etc.

PROJECTS

LocalShare | *code repository*

- ▶ Localshare is a commandline utility to share files over local network.
- ▶ Language and technologies used: Python, zeroconf(multicast DNS discovery)

Scratchpad | *code repository* | *Live instance*

- ▶ Scratchpad is a browser based minimalistic notepad that persists notes in localstorage.
- ▶ Language and technologies used: JavaScript, Browserify, LocalStorage.

Webby | *code repository*

- ▶ Webby is a minimal, non-invasive page view tracking application.
- ▶ Languages and technologies used: Python, Flask, Peewee, JavaScript, D3/dimple.js.

HN-Reader | *code repository*

- ▶ HN-Reader classifies HackerNews posts automatically using supervised machine learning. Classifiers are trained using data from Reddit.
- ▶ Languages and technologies used: Python, scikit-learn, asyncio/aiohttp.

Others

- ▶ Please take a look at my Github profile

EDUCATION

College of Engineering & Technology, Bhubaneswar, India (Biju Patnaik University of Technology)

B.Tech. in Computer Science & Engineering, 2011 - 2015

SKILLS

Languages I have experience in: Python, JavaScript, Bash script

Frameworks and libraries I have used: Django, Flask, Twisted, jQuery, Scrapy, Pandas, scikit-learn

Tools I use: Git, PyCharm, IPython Notebook, Mosh, fish shell, Sublime Text