

Sayak Sarkar

Kolkata / Pune, India

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Website: <http://sayak.in>

Native Tongue: **Bengali**
Also fluent in: **English, Hindi**

Professional Experience

Mozilla Foundation

[Web Developer - Intern]

Duration: January 2013 - June 2013

Responsibilities:-

Code new projects focusing on collaboration and the needs of the mentor community. Also, support the technical development and the community adoption of key Webmaker projects and contribute to internationalization efforts for Webmaker Tools. Additionally, liaise between Mozilla Reps and the Webmaker Mentor community to help unify programmatic goals and organizing tools.

Project Details:-

1. Webmaker Tools:

- Local Deployments: Experiment and document local deployment of Webmaker Tools, namely Friendlycode for Thimble & Butter for Popcorn Maker.
- Localization: Localization of first priority Friendlycode section into Bengali.
- Documentation: Prototype with tutorials for Webmaker tools and see what it looks with the mentor kits.

2. GenOpen:

- Provide technical support and leadership to the GenOpen initiative.
- Graphic designing for the GenOpen Badge logos.

3. Webmaker MOOC – Teach The Web [<http://hivenyc.org/teachtheweb>]:

- Development: Development and maintenance of the Webmaker MOOC website for the Teach The Web initiative for Webmaker Super Mentors.
- Tech Team: Setup and co-ordinate the technical and IT operations team for the Mozilla Mentor initiative to serve as a liaison between the technical teams of the Foundation and the volunteers in general.

Technical Exposure:-

- Web Technologies: HTML5, CSS3, PHP, JavaScript, Node.js, Require.js
- Issue Tracking Systems: Bugzilla, GitHub, Asana, Lighthouse
- Web Content Management Systems: Wordpress, Drupal

Red Hat

[Technical Translations (l10n) - Intern]

Duration: June 2012 – November 2012

Responsibilities:-

Technical translations for the bn-IN (Bengali) locale of the GNOME and LibreOffice Open Source projects.

Project Details:-

1. GNOME:

Bengali Localizations for GNOME-3.6 dev. Technical translations member for bn-IN team at <http://l10n.gnome.org>.

2. LibreOffice:

Technical translations and language file clean-up for LibreOffice. Localization team member for the bn-IN locale at http://translations.documentfoundation.org/bn_IN.

Technical Exposure:-

- Operating System: Linux [Fedora]
- L10n Tools: Lokalize, Transifex, Pootle
- Version Control System: Mercurial (hg)

SDRCLabs

[Web Developer]

Duration: August 2011 – January 2013

Responsibilities:-

Development and Management of Web based systems for Symbiosis International University.

Project Details:-

1. SiCSRnet:

Development of a Drupal based Intranet Portal for Symbiosis Institute of Computer Studies & Research.

2. SiCSRKonnnect:

Development and maintenance of Drupal based alumni site for Symbiosis Institute of Computer Studies & Research.

3. SDRCLive:

Development and maintenance of a video conferencing system for Symbiosis International University based on Drupal and Big Blue Button.

Technical Exposure:-

- Web Technologies: HTML, CSS, JavaScript, PHP, XML, JSON
- Database Management System: MySQL
- Issue Tracking Systems: Bugzilla, Redmine
- Version Control System: Git, Mercurial (hg)
- Content Management Systems: Wordpress, Drupal

Academic Details

Post-Graduation [2013]

Master of Science in Computer Applications

Completed my Masters (M.Sc. C.A.) in the year 2013 from Symbiosis Institute of Computer Studies & Research (SICSR), Pune under Symbiosis International University with Cumulative GPA of 2.98/4.0.

Graduation [2011]

Bachelor of Science with Honours in Computer Science

Completed my Bachelors (B.Sc. Computer Science) with Honours, in the year 2011 from Vivekananda College, Kolkata under the University of Calcutta obtaining First Division grades with 61% marks.

Higher-Secondary School [2008]

Indian School Certificate

Completed my Twelfth standard (I.S.C.) in the year 2008 from St. Joseph & Mary's School, Kolkata under the Council for Indian School Certificate Examinations obtaining an average of 66% marks.

Secondary School [2006]

Indian Certificate for Secondary Examinations

Completed my Tenth standard (I.C.S.E.) in the year 2006 from Meghmala Roy Education Centre, Kolkata under the Council for Indian School Certificate Examinations obtaining an average of 74% marks.

Skills and Competencies

Interface Design and Layout

Proficient in designing Web based application-interfaces with HTML/CSS. Also skilled in Adobe Photoshop, GIMP, InkScape etc. for print/screen publish media.

Web Technology and Frameworks

Efficient using HTML5, AJAX/JSONP, CSS-Preprocessors, JS libs/frameworks. Fanatic about writing well documented human readable, standard-compliant, performance-optimized, bandwidth-friendly markups. Capable of making/managing high-traffic websites on Drupal, WordPress and MediaWiki. Can throw libraries/dependencies off the window & hand-code everything from scratch, if required.

System Support and Troubleshooting

Experienced GNU/Linux & Windows user, and quite capable of doing a bit of Shell Scripting when required. Also, have a certain amount of experience in Hardware Assembling, Software/Hardware Troubleshooting. Have experience administrating private Git, Red Wine, Moodle, etc. servers.

Software Development and Engineering

JavaScript ninja with a good amount of PHP experience. Can handle most modern programming languages with moderate efficiency and bit of of internet lookup. Have a basic knowledge of conventional programming languages C, C++ and Java. Preferred revision control systems are Git, Mercurial and SVN. Can work on Object/Relational database systems (MySQL, SQLite, Oracle etc.)

Mobile / App Development

Experienced in developing Hosted as well as Packaged web apps for mobile devices, most notably on the upcoming Firefox OS mobile platform. Also, have a basic experience of working around J2ME based mobile applications.

Team and Project Management Skills

Experienced team player with a good amount of experience in working with small closely packed teams as well as working with large highly distributed remote teams. Experienced in using most popular Project/Issue Management Systems such as Asana, Lighthouse, Trac, etc.

Other Projects Undertaken

Google Summer of Code 2013

Developed the official WordPress Web App using the Enyo 2.0 framework for the Firefox OS mobile Platform under WordPress as the mentoring organization.

The project page for the project proposal can be found at:-

http://www.google-melange.com/gsoc/project/google/gsoc2013/sayak_sarkar/62001

The official repository can be found at: <https://github.com/wordpress-mobile/wordpress-firefoxos>

Google Summer of Code 2012

Developed a new visual-based keyboard layout system for the Bengali Language under the mentoring organization Ankur India.

Further details about the project can be found at the project site: <http://sayak.in/Disha>

Voila!

JavaScript based project for Hadronization Technologies, to develop the primary Web Application for their soon to be launched Firefox OS based Operating System for Mobile devices which would allow users to create Apps for themselves on their own devices.

Further details about the project can be found here: <https://github.com/sayak-sarkar/Voila>

Miscellaneous Projects

Also worked upon some smaller web projects based on PHP and JavaScript, the repositories for which can be found at my GitHub account: <https://github.com/sayak-sarkar/>

Extra-curricular Engagements

Spreading the Mozilla Manifesto

[To Make The Web a Better Place]

Mozilla Reps' [Mentor](#) and [Reps Council](#) Member, contributor to the [Mozilla Project](#), Webmaker [Super Mentor](#), Senior member of the Mozilla India Community, [Regional Localization Leader](#) for the Bengali Language at Project NeMo and contributor of various projects such as [I10n](#), [SUMO](#) etc.

Public Speaking/Writing

[Talks, Media Coverages & Evangelism]

Occasionally I give talks and take workshops on open web technologies, Firefox OS Web Apps development etc. Most of my talk slides are [available online](#). I'm a semi-active technical [blogger](#) have also been interviewed by [YourStory.in](#).

Other Open Source Projects

[Non-Profit/FLOSS Contributions]

Wikimedia Foundation:

Interacted with the Wikimedia Language Engineering Team during various Wikimedia hackathons in India. Currently trying to contribute a ported version of the bn-disha IM to jquery.ime. This requires the resolution of a few jquery.ime issues already filed at the project repository. Status of these issues can be found here: https://github.com/wikimedia/jquery.ime/issues/created_by/sayak-sarkar?state=open

Ankur India:

Involved with [Ankur India](#) as a volunteer contributor for various bn-IN I10n projects, most notably translation of Firefox, Thunderbird, GNOME and LibreOffice.

The Cryptocat Project:

bn_IN I10n contributor for the Cryptocat project. Details can be found at: https://www.transifex.com/projects/p/Cryptocat/language/bn_IN/

Drupal Pune:

Associated with the [Drupal Users group of Pune](#) as a group member for almost one and a half years now.

Interests and Hobbies

Studying

I like to study a varied spectrum of subjects, ranging from Literature, History, Politics, Medical-Biology to Religions, Mythology, Comics, and sometimes, Novels et. al.

Painting

I like letting my imagination loose at times with a pencil and paper in hand to relax my brain as well as nurture my creative strings. I have also completed a 5 years diploma certification in Painting upto the 3rd year [2+3 System] under Bangiya Sangeet Kala Kendra during my school days.

Computer Gaming

Action/adventure/platforming, stealth/shooter & arcade-racing are my favorite genres of video games. I'm a fan of Need for Speed, Prince of Persia, Project IGI, Delta Force, Call of Duty and Counter Strike series.