

Shreyas Satish

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Work Experience

Software Engineer, [Mapunity](#) (Bangalore, India) : August, 2010 – July, 2013

- Developed the entire technology stack for Mapunity's 'Smart City' platform – [Technagara](#). The first module in this platform was a city management system which was developed to bring together people from the government, interest groups and citizens to share ideas in order to solve issues.
- Developed a city oriented '[Indian Heritage](#)' application as the second module in the Technagara platform, which showcases various heritage spots of interest in and around cities, temporally and spatially. Launched a pilot instance specifically for Bangalore called [Bangalore Heritage](#).
- Built REST-ful web APIs and web widgets for Technagara, which powers issue reporting and content delivery mechanisms in other applications such as [Bangalore Traffic Information System](#) and [Citizenmatters](#).
- Developed a geofence alerting component for Mapunity's Transport Information System. The component generates and sends, email and SMS alerts, when a vehicle being tracked by a GPS unit, enters or exits marked geographical boundaries.

Project Intern, [eLitmus Evaluations Pvt Ltd](#) (Bangalore) : January, 2010 - May, 2010

- Researched and developed 'HELP' - Help Enquiries Listing Program, an online help desk system, which comprised of a semantic search engine and a Content Management System. The search engine used synonym vocabularies, sourced from Princeton's WordNet database, in addition to considering the position and frequency of keywords in documents, and consequently returned more relevant results.

Technologies Worked With

- Linux, MySQL, PostgreSQL, PostGIS, Ruby, Ruby on Rails, HTML, CSS, JavaScript, jQuery, OpenLayers, CoffeeScript.

Education

Bachelor of Engineering (B.E) in Information Science: September, 2006 - June, 2010

- Graduated with First Class, from the B.N.M Institute of Technology, Bangalore, India (affiliated to Visvesvaraya Technological University, Belgaum).

Other Activities

- Developed an open source CoffeeScript library - [WorldView](#) - as a thin abstraction layer over OpenLayers (a mapping library). WorldView provides a set of easy-to-use APIs to perform common use cases with maps.
- Supervised two interns and a project team comprising of 3 members at Mapunity, for the following projects - an Android vehicle tracker, an online survey builder and a vehicle detection algorithm that uses traffic images to gauge traffic density.
- Presented a [talk on Technagara](#) at [The Goa Project](#) held in Goa during March, 2013 and also [presented on CoffeeScript](#) at the [JSFoo conference](#), held in Bangalore during November, 2011. Received excellent feedback on both accounts.