

Shreyas Satish

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Work Experience

Independent Researcher/Developer (Bangalore, India): September, 2013 – Present

- Currently, working on a research project under the mentorship of Dr Rajesh Kasturirangan (Associate Professor, National Institute of Advanced Studies, Bangalore).
- Research includes a study of human learning habits, influences, tendencies and subsequently, assessing technology solutions to enhance learning experiences.
- Developed a single-page [web application](#) with Ruby on Rails and AngularJS, as part of the project. The application currently allows users to compose and clone learning pathways for study topics.

Lead Software Developer, [Mapunity](#) (Bangalore, India) : August, 2010 – August, 2013

- Worked under Dr Ashwin Mahesh (a leading urban affairs expert, professor at IIM, Bangalore).
- Developed the entire technology stack for Mapunity's 'Smart City' platform – [Technagara](#), as a multi-tenant Ruby on Rails web application. 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 urban development issues.
- Developed a city oriented '[Indian Heritage](#)' application as the second module in the Technagara platform. This showcases various heritage spots of interest in and around cities, temporally and spatially.
- 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 using Ruby on Rails. The application 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.

Education

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

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

Other Activities

- 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.
- 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.
- 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.