SARAVANAN GANESH

srrvnn.me

EDUCATION

University of Southern California   Master of Science, Computer Science – May 2014

Amrita Vishwa Vidyapeetham   Bachelor of Technology, Computer Science – May 2012

SKILLS

Languages – JavaScript (***) – Java (**) – HTML5 (***) – CSS (***) – C++ (*) – Python (*) – SQL (**)

Frameworks – AngularJS (***) – React (*) – Node.js (**) – Spring (**) – Rails (*) – Git (***) – Jasmine (**)

Interests – User Experience – Front End Latency – Developer Tooling – Test Automation

EXPERIENCE

Full Stack Software Engineer at **Ensighten**   **Summer 2014 – Current**

- Developed user facing components and simple workflows for technically complex mobile analytics setups.
- Contributed, and owned the client side code repository mainly written in JS, HTML, CSS and AngularJS.
- Championed unit / e2e / CSS testing, linting, Git flow, code reviews and more best practices across the team.

User Experience Intern at **Ontopic**   **Spring 2014**

- Enhanced the alpha version of the product to be responsive, touch and keyboard friendly.
- Built a simple crawler that uses Twitter API and seed profiles to build a tweets data dump for analysis.

TOP PROJECTS

Natural Language to JavaScript Regex at **Ensighten's Internal Hackathon**   awarded **Best Hack**

- Built a client-side app in three days that suggests and converts natural language into JS regex.
- Used a Context Free Grammar, Deterministic Finite Automata and the Shunting Yard Algorithm.

Dev Tools Dependent-Element Detector at **USC Web Analysis Course**

- Built a firebug extension that crawls the DOM to detect elements positionally dependent on a seed element.
- Aided pixel perfect web design by allowing tweaking of CSS box model attributes of dependent elements.

Client Side HTML5 Jukebox at **Google CodeforIndia Hackathon**   awarded **Most Usable Hack**

- Built a jukebox in 20 hours using HTML5 Web Audio API and the SoundCloud API that plays and saves music.
- Enhanced user engagement with archival Indian classic music with real time interlay of western beats.

Crowd Sourced Manifesto Tracker at **Stanford Code for Good Initiative**

- Developed a Facebook API based admin-volunteer-public login system, and polished the UX.
- Deployed and maintained the project on Heroku and AWS for the Delhi Government + Stanford initiative.

Technology Lead at **USC Association of Indian Students Club**

- Led, and deployed the redesign of the website, resolving several operational bottlenecks.
- Built a matching algorithm that optimized host matching duration from several minutes to a few seconds.

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