

Harmanpreet Singh

Executive Summary

I enjoy both design and development. Having skill in both these domains helps me to keep the balance between form and function of every project. Being a computer science engineer with real taste of designing, I pay special attention to technical aspects as well as UI/UX and typography.

Projects

- 2016 **Business application for Indian mid sized construction companies.**
Web based business application developed to manage salaries of employees working at different construction sites, site wise, month wise and year wise salary expenditure reports and historical records of employees' per day rates. It is powered by NodeJS and Google's AngularJS front-end framework. [Code.](#)
- 2015 **WordPress theme development.**
An easily customizable flat design theme for creating stunning and responsive WordPress websites. Equipped with inbuilt options to create ravishing and striking portfolio, it is suitable for people ranging from individuals to small and medium enterprises. [Code.](#)
- 2013 **Google Summer of Code-2013 (GSoC): Online Geometry Viewer (OGV).**
Selected by BRL-CAD an open source CAD software community, I developed OGV, a tool for viewing BRL-CAD's native CAD (.g format) file on web browsers. three.js, a WebGL based JavaScript library was used at back-end for 3D geometry visualization. [Code.](#)
- 2012 **Web based water tank CAD model generator.**
As part of six months industrial training, a web interface was developed that helps to create customized model of water tank with minimum efforts, without any need of having expertise knowledge of CAD systems. **Whole project is written in C++ and some parts in shell scripting. CGI is used as an interface between C++ executables and web browser.** [Code.](#)

Work

- Aug'12 - May'16 **Web developer, Director** CSIOM Solutions Private Limited.
As developer, I Worked with the team on various client projects, helped in UI design, responsiveness and CSS. Being trusted by co-founders, I as Director played vital role in idea generation, maintaining morale among team members and headed product development team. My major responsibilities were managing financial and banking operations, business planing and conflicts resolution.

Achievements

- 2014 **Google Code-In**, Mentor in BRL-CAD.
- 2014 **Google Summer of Code**, Mentor in BRL-CAD.
- 2013 **Google Summer of Code**, Student in BRL-CAD.
- 2013 **Google Doc Camp**, hosted by Google at their HQ in California, USA. I was invited to attend as one of BRL-CAD's team member to contribute in writing a guide for new developers about starting with BRL-CAD.
- 2013 **Google Code-In** Mentor in BRL-CAD.
- 2012 **Google Code-In** Mentor in BRL-CAD.

Education

- 2009 – 2013 **B.Tech** *Computer Science and Engineering* Guru Nanak Dev Engineering College, Ludhiana, Punjab.

Skillset

Advanced level: HTML, CSS, JavaScript, C++, CGI, AngularJS, Angular Material, NodeJS, ThreeJS, shell scripting, MySQL, WordPress, Bootstrap, MaterializeCSS, UI/UX.

Intermediate level: Linux server administration.

Basic level: \LaTeX .

Tools: vim editor, git, make, Doxygen, Inkscape, GIMP.