

# Girish Sharma

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Web Developer  
{JS;<HTML/>CSS;<PHP?>}

## Experience

### Optimizations techniques using GPU

B. Tech. Thesis. Autumn 2011 to Spring 2012, IIT Kharagpur, India

Developed and optimized algorithms to calculate matrix inversion and global stiffness matrix assembly in linear time using CUDA on GPU.

### Location Bar Enhancer

Firefox [Add-on](#). Autumn 2011, Kharagpur, India

Fully customizable add-on that enhances the location bar of the user for quick and useful web browsing experience.

### User Styles Manager

Firefox [Add-on](#). Spring 2012, Kharagpur, India

Manage thousands of user styles to change the appearance of either your favorite website or Firefox itself. Restart-less and feature rich editor.

### Auto Complete

Firefox [Add-on](#). Autumn 2011, Kharagpur, India

Auto completes words as you type in the location bar. Instant preview domains and search results.

### Magnifier

Firefox [Add-on](#). Spring 2012, Kharagpur, India

A feature rich magnifier to debug your web designs. Fully customizable with built in color picker.

### Add-on reviewer for Mozilla

March 2012, Kharagpur, India

Reviewing add-ons and moderating comments along with the AMO team.

### Bug fixes for Firefox Developer Tools

Spring 2012, Kharagpur, India

Provided [patches](#) for few bugs related to the in-built source editor, Orion.

### Google Summer of Code at Mozilla

May 2012 to August 2012, India

Selected for the devtools project named Graphical Timeline of Events.

## Education

### Bachelor of Technology, Civil Engineering, IIT Kharagpur

July 2008 to May 2012, Kharagpur, India

Focused mainly on computational tools and constantly developing GUI for structural design problems.

## Internship

### Civil Engineering Dept., PEM, BHEL

May 2011 to June 2011, Noida, India

Developed a Visual BASIC application to analyze and design Pile foundations of large structures and generate the structural drawings using AutoCAD.

## Research

Parallel programming  
Optimizing algorithms  
Nonlinear dynamic analyses

## Positions

Head, Robotix Winter Workshop, '09  
Member, RoboCup, IIT KGP, '09  
Head, Team Rangoli, '09-11

## Awards

Bronze, XANTS, Kshitij '09  
Best student in Computers, '08

## Expertise

Parallelization  
Firefox's Source Editor  
Application Development  
Mozilla Add-ons

## Skills

JavaScript  
HTML/AJAX  
C/C++/C#  
CUDA C  
PHP/JSP  
MySQL

## Tools

Photoshop  
Visual Studio  
MATLAB  
Eclipse

## Extra Acad.

Fine Arts  
Basket Ball  
Video Games  
Anime