

# Charchit Gupta

charchitgupta18@gmail.com

<http://seijee.github.io>

+91 709-380-3933

## About Me

I am a computer programmer looking for a job in tech-industry that utilizes my coding and problem solving skills while allowing me to expand my knowledge and exposure in the industry. I've worked on couple of large scale projects involving several servers and vast amount of data. Developed and deployed some small to medium scale projects that are currently serving Madhya Pradesh government.

I am relatively good at making elegant UI, that help to develop applications with great user experience.

## Experience and Achievements

- Currently working as Application Developer in Tata Consultancy Services.
- Developed **Crime Analysis Software Application** for Madhya Pradesh Police Department.
- Stood among top **10** in National level coding contest '**Amdocs Code Mania 2013**'.
- **Microsoft Student Partner** for the year 2013-14, volunteered in **DevApp**, event organized by Microsoft.
- Interned at Pragmatum Pvt. Ltd., New Delhi.
- Represented my college in the **MSP Boot camp** by Microsoft at Lonavala.
- Lead a team of 20+ members to organize LAN gaming event making it a big hit on city level.

## Education

- 2014 – B.E. (Computer Science) –RGTU [63%]
- 2010 – 12th (Sr. Secondary) – CBSE Board [70%]
- 2008 – 10th (Secondary) – CBSE Board [75.8%]

## Skills

- OOP, Data Structures
- C++, PHP, JAVA, J2EE
- HTML5, CSS3, JavaScript, AJAX, jQuery
- Basic bash shell commands and scripting
- Quick Learner of Programming language

## Links

- Interactive Resume : <http://seijee.github.io>
- LinkedIn Profile: <http://in.linkedin.com/in/charchitgupta>
- GitHub Profile: <https://github.com/seijee>

## Projects

- **Managed Accounts List:** A web application that works under close integration with Microsoft's CRM, Microsoft Sales Management and Microsoft's Data Operations System. The application is responsible for managing Microsoft's huge sales and accounting data. Allowing users to perform various update tasks on this data while keeping the data in sync with external systems.

### My contribution:

- Implemented multithreaded search for querying multiple servers at once. This enabled the search operation that took ~60-70 seconds to be completed in < 15 seconds.
- Developed MAL Discrepancy Analyzer: A tool that compares data from 3 different systems consisting of many servers, for given comma separated accounts and shows discrepancies in any of the data fields and generate Excel report for the same. Saving hours of manual efforts of my team.
- Query Inventory: A database backed web-application, enabled my team to store their frequently used 'SQL Queries' along with the server name, and execute them later whenever required with few clicks and view the output instantaneously.

- **Crime Analysis Software for CID [Web Application]:** ([http://cid.mppolice.gov.in/crime\\_analysis](http://cid.mppolice.gov.in/crime_analysis)) Developed and deployed an online system to categorize FIR of various crimes lodged all over the province to generate reports, graphs and statistical data. This project is being used by Madhya Pradesh Police Department. 400 thousand FIRs had been lodged till date. Technologies used:
  - JQuery, JavaScript, AJAX
  - MySQL
  - Google Charts API
- **Movie-On-Moods [Web Application]:** Application takes a movie title and finds out the suitable Poster, Description, lowest priced DVD and Amazon Instant Video for that movie by searching from Amazon and Rotten Tomatoes. Front end used SVG graphics dynamically generated by JavaScript to display hexagonal links. Technology used...
  - JAVA/J2EE
  - Amazon's PAAP (Product Advertisement API)
  - Amazon's EC2 service
  - HTML5, CSS3, SVG, jQuery, AJAX
- **Rang Dey Zindagi [Website]:** (<http://rdz.org.in>) developed the website for this local NGO that works for less privileged students. Volunteered and tried to support the cause by providing it a means to enhance its reach.
- **Pragya Sagar Institute [Web-Site]:** <http://www.pragyasagar.ac.in>, A simple static website of Pragyasagar Institute. With basic functionality of updating news feed, director message, courses etc. from back-end.
- **Win8 app:** A 2-D game App, in which user has to hit the bulls-eye with an arrow. Arrow simulates the projectile motion making the goal difficult to achieve. Implemented collision detection in the game- app using JavaScript, was fully touch interactive.

### Academic Projects

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- **Campus-Surveillance:** (<https://github.com/seijee/campusSurveillance>), an online system that helps in administration of the Educational Institute by providing integrity among various departments such as Library, Accounts, Academics and Cultural department. The system provided a platform where user could create an online community from a subset of users he is already connected with. System also allowed authorized users to bulk upload new records (Student details) via excel sheet. Application had fully responsive design and could be used screens of any size. Used...
  - J2EE, Hibernate, Collections
  - HTML ,CSS, JS, JQuery, AJAX
  - MySQL
- **Online Picture Manager:** user could upload images share them with others, view images shared to him. Submitted as minor project in college, developed an API for client side image compression by JavaScript. Application also had polling based chat feature. Technologies used...
  - PHP, MySQL
  - HTML5, CSS3, JQuery, AJAX
- **CPU Job Scheduling Simulator:** Graphical simulator for various CPU scheduling algorithms, custom CPU speeds, multiple view modes such as FCFS, Round Robin and SRTF etc.
- **College tech-fest:** developed the website for tech-fest (Moonstone) showcasing 50+ events and their schedule (which kept changing till last moment).