

# Prateek Rastogi

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## Education

Currently pursuing B.Tech in Computer Science and Engineering from IIT Guwahati (2010-2014).

## Areas of Interest

Algorithms, Human Computer Interaction, and Software Engineering.

## Skills

### Human Languages: -

- ✚ English and Hindi.

### Programming Languages: -

- ✚ C, C++, R, C#, Python, PHP, XHTML, CSS, and MySql.

### Content Management Systems: -

- ✚ Joomla.

### Operating Systems: -

- ✚ Various Linux Flavors, Mac OS X, and Windows.

### Software and Other Skills: -

- ✚ R Studio, Codeblocks, Dev C++, Eclipse, Pycharm, Mysql Workbench, Adobe Dreamweaver, Microsoft Office, Microsoft Visual Studio, Wget, and UML.

## Relevant Coursework

### Theory:-

- ✚ Algorithms, Compilers, Data Structures, Probability Theory and Random Processes, Optimization, Databases, Operating System, Software Engineering, Data Communication, Computer Networks, Information Retrieval, Multimedia Processing, Computational Geometry and Computer Graphics.

### Lab:-

- ✚ Compilers Lab, Computing Lab, Data Structures, Database, Software Engineering, Operating System Lab, System Software, System Programming, Graphics Lab and Networks Lab.



## Relevant Projects

### ✚ Evolution of R

Worked, in University of Mons, Belgium, on a project concerning the extraction and analysis of data from the source code and files of all the live and archived packages of R available for download at R CRAN repository.

**Duration:- 10 May 2013-15 July 2013**

**Guide:- Dr. Tom Mens**

### ✚ PC Down

Written a multithreaded WPF desktop application targeting .NET 4.0 client profile in C#. The installer is available for download at:-

<http://sourceforge.net/projects/pcdown/>

### ✚ Web Attention Model

Currently focused on developing a human eye attention model for web pages to determine the view sequence of web objects imbedded in a website.

**Duration:- Seventh Semester**

**Guide:- Samit Bhattacharya**

### ✚ Developed a document retrieval system in Python.

**Duration: - Seventh Semester**

**Guide: - Dr. Sansaram Ranbir Singh**

### ✚ Developed a library management system.

**Duration: - Sixth Semester**

**Guide: - Dr. Sansaram Ranbir Singh**

### ✚ Modified various aspects of Pintos as mentioned in Pintos Project Guide.

**Duration:-Fifth Semester**

**Guide: -Dr. Gautam Barua**

### ✚ Created a date/ time server and corresponding client in C via socket programming.

**Duration:-Sixth Semester**

**Guide:- Dr. S.K. Nandi**

## Achievements and Activities

- ✚ With fewer than 15% downloads from India, PC Down project has been downloaded more than 400 times since November 2012 from sourceforge repository.
- ✚ Secured 1824 rank among around 472,000 candidates in Joint Entrance Exam 2010 conducted by IIT's.
- ✚ Notched 99.5 percentile in All India Engineering Entrance Exam 2010 conducted by CBSE.
- ✚ Joined NSS (National Service Scheme) to work for the welfare of Underprivileged and Environment.