Prateek Rastogi

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Nationality:- Indian

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DOB:- 09/September/1993

Education

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

Areas of Interest

Algorithms, Random Processes, 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 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.