Arpit Agrawal

Roll No. – 11010107

Bachelor of Technology
Department of Computer Science and Engineering
Indian Institute of Technology Guwahati

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Degree	Institute	CGPA/%	Years
B.Tech	Indian Institute of Technology Guwahati	7.03	*2011-15*
HSC	Secondary D.P.S., Gaya	68	*2010*
SSC	M.K.D.A.V Public School, Daltonganj	78	*2008*

EXPERIENCES

Samsung R&D Institute, Bangalore
May-July, 2014

Guide: Vivek Galatage, Senior Chief Engineer

Trace Analyzer Framework: Made the browser independent framework where we can smoothly add tools for testing the performance of browser using trace file. Added tools to the framework for performance analysis. Added visualization capabilities for trace files.

PROJECTS

File Transfer Protocol
March-April, 2014

Guide: T. Venkatesh, Assistant Professor, IIT Guwahati

Implemented a concurrent FTP server and FTP client in C++ using UNIX socket programming interface. The system supported FTP commands like cd, ls, pwd, get, put, etc.

Hospital Management System
March-April, 2014

Guide: Sanasam Ranbir Singh, Assistant Professor, IIT Guwahati

Developed a website using MYSQL and Python. Major features included user-friendly prescription form as well as easy maintenance of medical history.

File Hosting Service
March-April, 2013

Guide: P.K. Das, Associate Professor, IIT Guwahati

Developed a Dropbox like service in Python using Django framework. It supported features like synchronization of files across various computers and sharing of files via email.

Text File Compressor
Oct-Nov, 2012

Guide: Saswata Shannigrahi, Assistant Professor, IIT Guwahati

Implemented a text file compressor in C++. Compressor was based on Huffman Encoding, Run-Length Encoding and Burrows-Wheeler Transform.

TECHNICAL PROFICIENCY

- Programming Languages: C, C++, Python, JavaScript
- Operating Systems: Linux, Windows

EXTRA CURRICULARS

- Organized Robocalypse event during Techniche 2012.
- Conducted examination for Technothlon 2012 at my home town.