Arun Bhati

Final Year undergraduate
Department of Computer Science and Engineering
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Degree	Institute	CGPA/%	Years
B. Tech	Indian Institute of Technology Guwahati	7.73 / 10	*2011-2015*
Higher Secondary	Shri New BVB Sr. sec. school, Jodhpur (Rajasthan)	88.31%	*2009-2010*
Secondary	Shri R. C. LBN Sr. sec. school, Pali (Rajasthan)	80.67%	*2007-2008*

EXPERIENCES

SDE Intern, Amazon India Pvt. Ltd. *May-July 2014*

Beejak Self Service Tools Guide: *Mr. Dinesh Gupta, SDE At Amazon*

- Implemented API and web interface to get information related to Invoice Metadata given Invoice Key as search key.
- Implemented pagination functionality for secondary keys inputs.
- Fetch information related to workflow states and show it on web interface.
  API was implemented in Java language and web interfaces were implemented in RubyOnRails web development framework.

PROJECTS

Web Search Engine *August 2014*

Dr. S. R. Singh, Department of Computer Science and Engineering, IIT Guwahati

Developed text document retrieval engine by exploiting TF, TFIDF and BM25 term weighting measures to retrieve the relevant documents. This has been implemented using Python language.

Relational database management system *March-April 2014*

Dr. S. R. Singh, Department of Computer Science and Engineering, IIT Guwahati

Developed a relational database management system which supports subset of SQL queries such as Insert, Update, Delete, Select and Show operations with nested conditional queries. It also supports indexing, primary key and uniqueness constraints. This has been implemented using Java language.

MIPS assembly code generator *April 2014*

Dr. Arnab Sarkar, Department of Computer Science and Engineering, IIT Guwahati

Developed a compiler which converts a subset of C language into MIPS Instruction set. It was implemented using GNU-Yacc parser and GNU-Lex lexical analyzer and AST (Abstract Syntax Tree) for code conversion. This has been implemented using C++ language.

FTP and TFTP Protocol *March-April 2014*

Prof. S. K. Nandi, Department of Computer Science and Engineering, IIT Guwahati

Developed a client and a server that supports RFC (765) FTP protocol and a client that supports RFC (783) TFTP protocol. Both protocols were implemented using C++ socket library.

Spell Checker *October 2012*

Dr. Saswata Shannigrahi, Department of Compuater Science and Engineering, IIT Guwahati

Developed a software that can check a file for spelling mistakes. This has been built using left child right sibling data structure as a part of academic project. This has been implemented using C++ programming language.

ACADEMIC ACHIEVEMENTS

- Awarded MCM (Merit Cum Means) Scholarship in 2011, 2012 & 2013.
- Top 1.3% (rank 6157 out of 4.72Lacs) across India in IIT-JEE 2011.
- Top 0.3% (rank 7493 out of 10 Lacs) across India in AIEEE 2011.
- Top 0.01% (rank 500 out of 0.75 Lacs) across State (Rajasthan) in RPET 2011.

TECHNICAL SKILLS

- **Operating Systems**   Windows, Ubuntu
- **Programming Languages**   C, C++, Java, Python, Visual Basic, C#
- **Internet Technologies (Basic)**   JavaScript, RubyOnRails, HTML, CSS, MySQL
- **Programming Environment**   Vim, Microsoft Visual Studio, Code Blocks

EXTRA CURRICULARS

- Actively participate in CodeChef and HackerRank coding contests.
- Member of Coding Club IIT Guwahati.
- Participated in Manual robotics event in Techniche 2011 (Technical fest of IIT Guwahati).
- Conducted Technothlon (Inter School Championship) as part of Techniche 2012 in Pali (Rajasthan).
- Member of National Service Scheme (NSS).

(References available on request)