PRIYANSHU JAIN

Personal Data

Place and Date of Birth:	Rajasthan India | 29 Feb 1996
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Objective

To apply knowledge from the field of computer science, in order to develop and support new technologies or products. I find thrill in taking on new real world problems and solving them. I wish to be part of industry oriented research.

Education

July 2017   Bachelor of technology at , **Institute of Technology Guru Ghasidas University**, bilaspur India
CPI: 7.82

May 2012   Senior Secondary school at **Rajasthan Board of Secondary Education** \| Grade: 66.60 Percent

May 2010   Secondary school at **Rajasthan Board of Secondary Education** \| Grade: 8.67 Percent

Areas Of Interest

- semi structured data and databases.
- Machine learning and Algorithms.
- Operating Systems and system programming in Linux.
- graph theory and game theory.
- Web Technologies and their applications.

Academic Achievements

- Pursing a Major in **Information Technology and Engineering** with **Honors**.
- secured **99.75 percentile** in JEE-mains 2013 among 1.5 million candidates.
- selected in JEE-advanced 2013.

Current Work

- **Finding gender optimal solution for stable Gale-Shapley algorithm**

  This algorithm is basically a sequence of proposals from men to women, and finds a stable matching with an extreme property that every man gets his best possible partner among all stable matchings.

- **cool compiler**

  Developing a compiler based on MIPS instruction set and cool is new basic syntax created for this compiler project.

PROJECTS/ EXPERIENCE

- **A chatbot using NLP**

  The system we intend todevelop can be used for single human chatting. The database will be fed with related data which will be coded using Python. My implementation is basedon one originally written by Joe Strout. I have updated it significantly touse a more modern and idiomatic form of Python.

- **Client Server Messenger**

  Used socket programming libraries of C++ to design a simple server that could chat with upto 30 clients simultaneously.

- **Q Text editor**

  This text editor is based upon qt libraries in c++.It supports syntex highlighting and simple cut copy paste.

- **resume builder**

  The resume has four distinct sections: work, education, projects and a header with biographical information. It have four javaScript objects, each one representing a different resume section.

- **Child Game**

  This is basic game on command line using system programming in C.

- **Self Chat**

  Programmed a messaging web application that establishes connection between the browser and the echo server using Sockets.

- **Implementation of algorithms**

  Here is implementation of all basic algorithms in computer science.

- **Store management application**

  This is created using windows form in c and .net framework.

- **Blog site**

  Developed blog site based on html and twitter bootstrap framework hosted on github page.

LANGUAGES

HINDI: Mothertongue
ENGLISH: Good

Computer Skills

Programming Languages :	ASSEMBLY(NASM) , C , C++, c#, JAVA , HASKELL
Scripting Languages:	PYTHON, BASH
Web Technologies :	HTML, CSS, JAVASCRIPT, BOOTSTRAP , JQUERY XML, JSON, WEB2PY
Intermediate Knowledge:	Gtk+
Databases:	Sqlserver, SQlite, MongoDB
Operating Systems:	LINUX(All variants), windows
Version Control Systems:	Git
Build Tools:	make, cmake
Programming Environment:	vi, atom, Microsoft Visual Studio, Eclipse
Other tools:	LaTeX, NUMpy, scikitlearn, Tensorflow, GMP, .NET framework

Relevant Courses Taken

- ACADEMICS

    - Formal Methods, Algorithms, Principles of Programming Languages, Computer Networks, Software Engineering, DBMS, Operating system and system programming, Numerical Analysis, Discrete Structures

- EXTRA

    - Computer Architecture (NPTEL) , Machine Learning (Udacity) , Natural Language Processing (Coursera) , JavaScript Basics (Udacity) , Introduction to HTML and CSS (Udacity) , Introduction to algorithms(MITocw) , Databases(Stanford Online) , Internetworking(Stanford Online) , Compliers (Stanford Online)

Extra curricular Activities

- Solved more than 100 problems on hackerrank and hackerearth.

- Solved more than 150 Mathematics and physics problems on brillant.org

- Working with free software and open source community.

- Selected in final round of B-plan competition in **EQUILIBRIO 2015**

- Hosted linux-Mania event at EQUILIBRIO 2015

- Helping people with answering question on Quora, stackoverflow and stackexchange (over 10,000 hits).

Miscellaneous

Science and Technology lover, Puzzles like sudoku and Rubik's cube, Reading and writing in science blogs, Economic science, Badminton, Travelling

Declaration

I hereby declare that the above information is true to the best of my knowledge.