Aman Garg
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https://github.com/isopropylcyanide

Career Objective:

To be a professional software developer , analyzer and to be able to provide
vivid computational perspective on a given problem set.

Educational Qualifications:

Degree	Examination	Institution	Year Of Passing	Performance
B.Tech	C.S.E	Dr. B.R Ambedkar National Institute Of Technology, Jalandhar	Pursuing	8.83 CGPA
12th	C.B.S.E	Army Public School Kirkee, Pune	2013	95.4%
10th	C.B.S.E	Army Public School Kirkee, Pune	2011	10.0 CGPA

Technical Skills:

Programming Languages: C, C++, JAVA, Python , Ruby , Haskell, SQL
From CodeCademy: JavaScript

Conceptual :   Data Structures, Network Theory, Discrete Mathematics,
Database Management, Algorithmic Analysis
Additional :   Linux Proficiency , Angular JS (CodeCademy)

Projects and Seminars:

A) Study Of Boolean Networks using Computational Biology:
An attempt to model biological cells and their interactions as a directed graph and to study
their properties. (JAVA) The base model comprises of getting the input in the form of (n)
boolean functions. After studying functional decomposition of a function in respect to other
given functions, model an interaction graph that depicts the flow between any two functions.
The interaction graph is further broke down into subsets which include the graphs with
complete edges as well as the graph with at least a single cycle. The inputs are the
combinations of n functions. Ulterior motive is to generalize the results for n functions.

Guided By: Mr. Ranjeet Rout (Professor, C.S.E) , Duration: 2 Months
Project URL: https://github.com/isopropylcyanide/interaction-graphs

B) Developed an Android App to aid Hostel Administration(Ongoing):

To aid the hostel staff and to bring transparency in the functioning of the Hostel Mess, an initiative was taken to develop an Android app (Android Studio) wherein the users could have a complete unbiased look over their monthly diets, their respective charges, etc. Provision to set the student mess off when during leave marked a key function.

Project URL: https://github.com/isopropylcyanide/mess-app-student
                          https://github.com/isopropylcyanide/mess-app-munshi

C) Implementing RIP Protocol using POSIX Threads in C:

Goal was to emulate the working of routers within a network in a way such that any change in the network profile (addition of a new router, deletion of a router, failure of a link, re-establishment of the link) was propagated in a timely manner.

Guidance: Mr. Ashish Kumar (Professor, C.S.E) , Duration: 1 week (Nov 2015)
Project URL: https://github.com/isopropylcyanide/RIP-POSIX-threads

Area Of Interest:

Functional Programming, to reduce complexity of code.
Linux System Administration
Efficient Data Structures and Algorithms

Awards and Achievements:

1) Organised workshops for Linux Administration for the sophomore students.
2) Part of the team that conducted the 'Command Line Explorer' (Linux Event
3) Stood 6th in the Test Of Potential , an event at TechNITI 13 (2013)
4) Winning team of the Inter Year BasketBall (2013) during college Sports Fest

Hobbies and Strengths:

1) Playing basketball and swimming.
2) Listening to music and learning about the world history (especially German culture).
3) Focussed and committed
4) Dependable and motivated
5) Easily adaptable to newer trends and technology.

Personal Information:

Name: Aman Garg
Father's Name: Col. Pawan Kumar Garg
Date Of Birth: 12-09-1995
Address: C-8/82 , Sector-8 , Rohini, New Delhi 110085
Gender: Male
Languages: Hindi (Fluent)
                    English (Fluent)
                    German (Familiar)

Place: Signature:
Date:

Declaration:

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