Vishu Goyal

B.Tech, Computer Science
(IV Year II Semester)
Email: vishugoyal986@gmail.com
Homepage: https://vishugoyal.github.io/

Indian Institute of Technology Roorkee

Areas of Interest: Algorithms, Social Networks, Computer Vision, Machine Learning

Educational Qualifications	Year	Board/Institution	CGPA* / %
B.Tech, Computer Science (IV Year II Semester)	2015	Indian Institute of Technology, Roorkee	9.327
Twelfth	2011	Central Board Of Secondary Education (C.B.S.E.)	90
Tenth	2009	Central Board Of Secondary Education (C.B.S.E.)	92.0

INTERNSHIP INFORMATION

Advanced Technology Labs, Adobe Systems India
Context Sensitive Ad scheduling in Sports Stadiums using Image and Audio content analytics. (May 5 to July 25, 2014)
The project involved extracting out audience demographics and player's performance index using techniques of Computer vision and Natural language processing and then using them to schedule context sensitive Ads. A system which scheduled context sensitive Ads was developed and demonstrated. At the end of internship US patent named "Advertisement Placement Prioritization" was also filed.

Friedrich-Alexander University of Erlangen-Nuremberg (FAU) and KTH Stockholm
Indo-German Winter Academy,IIT Guwahati (Dec 9-15,2013)
Attended the course "High Performance Computing with Applications in Electrical Engineering, Materials and Processes" and contributed to the technical sessions of the academy by delivering a seminar talk on the the topic "Architecture Of High Performance Computers".

PROJECTS

IBM Global Remote Mentoring
Automated Linux Package Testing (Nov 2013)
Made the RFC for the testing of 2 Linux packages (rfkill and cpuspeed) and implemented them in Python for Autotest - open source linux testing framework.

Department of Computer Science and Engineering, IIT Roorkee
Suggesting Mentors on professional Networks (Ongoing)
B.Tech Project which involves using techniques of NLP and Machine learning to find mentors on professional networks for people searching for help.

Department of Computer Science and Engineering, IIT Roorkee
Analysis of different IPC modes in Multicore Operating Systems (May 2013)
Measured and compared performance in terms of time consumed by different IPC modes such as shared memory, message queues and socket based IPCs.

Shristi-2013, Annual Hobbies Club Fest of IIT Roorkee
Java and C++ IDE (March 2013)
Designed and Implemented an IDE in Java capable of compiling and executing C++ and Java codes. Both backend and frontend were coded using io, util and awt packages in Java.

Department of Computer Science and Engineering, IIT Roorkee
SIC/XE Two Pass Assembler (May 2012)
Designed and Implemented SIC/XE two pass assembler in C++. The assembler takes as input the code and generates the resulting Symbol table and object code if no errors are found or reports errors otherwise.

Department of Electronics and Communication Engineering, IIT Roorkee
Washing machine controller (April 2012)
Designed and implemented Washing Maching controller in Xlinx ISE VHDL platform using Moore model which inspects, generates and transmits signals corresponding to all the function of a washing machine.

Cognizance-2013, Annual Tech Fest of IIT Roorkee
CogniConnect (Feb 2013)
Made the official android application for Cognizance-2013 which was launched on Google Play store (1000+ downloads).

SKILLS AND ACHIEVEMENTS

Computer Languages	**Proficient:** C/C++, Java, HTML, SQL **Basic:** PHP, R, Python, MATLAB
Software Packages	**LIBRARIES:** OpenCV, Boost-C++, OGDF

Academic Achievements

1) Ranked amongst the top 5 students of the undergraduate batch.

2) Qualified for ACM ICPC 4 times (Kanpur-2012, Kharagpur-2013, Amritapuri- 2013,2014) .

3) Won many Mathematics and algorithmic Coding contests : Inscription(NITK Suratkal), Coderush and Matrixed(IIT Roorkee), Dementia(IIT Mandi), Mindsweeper (IITM Jabalpur).

4) Secured 3rd rank in the Ideaz- the research paper presentation competition.

5) Secured AIR 986 in IIT-JEE 2011 and AIR 495 in AIEEE 2011.

Languages Known   English (Fluent) , Hindi (Fluent)

EXTRA CURRICULARS

Coordinator, Cognizance 2014 (Annual Tech-Fest, IIT Roorkee) (2014)
Coordinator and problem setter of Spotlight (participation of 100+) hosted by CS Department, IIT Roorkee.

Event Coordinator, iFest 2013 (Online Tech Fest, IIT Roorkee) (2013)
Coordinator as well as problem setter for Matrixed (participation of 800+) hosted by IEEE IITR student chapter.

National Service Scheme (NSS), IIT Roorkee (2012)
Volunteered Prerna (NSS initiative for free education) and Blood Donation Camp conducted by Himalayan Blood Bank.

Zonal level handball player (2007)
Honored by Directorate of Education for securing 3rd position in the zonal level in handball sport.

REFERENCES

Vikram Sethi	**Dr. Sandeep Kumar Garg**
Engineering Manger	Assistant Professor
Adobe Systems Inc.	IIT, Roorkee
vsethi@adobe.com	sgargfec@iitr.ac.in