

Curriculum Vitae

Surayans Tiwari

MOOCs completed: Introduction to computer vision (udacity), How to use Git/Github(udacity), Introduction to Node.js for beginners(thenewboston).

My blog: h0tsh0tt.wordpress.com

Educational background		
Degree	Institute	Year of Passing
B.E. Mechanical + Msc(Hons.) Chemistry	BITS, Pilani	June 2018
Intermediate (ISC)	City Montessori School, Lucknow, UP	March, 2012
Secondary School Certificate Class X	City Montessori School, Lucknow, UP	March,2010

Technical/Software Skills	
Programming Languages:	C++(proficient), C(proficient), Python(proficient)
Tools	Octave, Matlab,XHTML, CSS, NODE.js, O p e n - c v
Operating System:	Windows, Linux

Projects Done:	
Title	Description

Skeleton-tracking-based Human Action Recognition(ongoing)	<p>This is an ongoing project aiming to develop a activity recognition system that receives as input, depth map data stream using a Kinect sensor. The algorithm incorporates both color and depth information, without specific requirements on uniform-colored or stable background. Recognition is realized using Deep Neural Networks (DNNs) from skeletal data.</p> <p>Platform: Windows</p> <p>Language: Python</p> <p>Tools/Libraries: Pygame, Pykinect, Kinect for Windows SDK, Opencv.</p>
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Clothes Parsing and identification of closest matching apparels/accessories of parsed image.(ongoing)	<p>This is a project which aims on designing an algorithm to analyse a look (image) and identify the closest matching products from a pool of products. The prototype will be able to process any image as input and return the product images with link of the product.</p> <p>Platform: Linux</p> <p>Language: Python</p> <p>Tools/Libraries: Opencv, SVM, Kota Yamaguchi clothes Parsing API, Matlab</p>
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Professional Training:

Practice School I

Organization: Rourkela Steel Plant, Rourkela

Project:

Designed a animation of the entire working process of plate mill.

The animation helped a lot in understanding the basic process of plate mill and was personally appreciated by the general manager of plate mill.

Duration: 2 months

Achievements:

- Recipient of **Merit – cum need Scholarship** (2013- present)
- Winner of **Microsoft Codestorm** – a 3 hour programming contest held at APOGEE 2015 with a prize money of 5000.
- Among the Top five in **International Coding league** held at Apogee 2015.
- Among the top 50 in **HP Think-a-Thon** among 6000 participants . Won a Paid trip to HP Bangalore.
- Among the top 150 teams in **Hackerrank** coding competition organised around the globe.Won a Hackerrank T-shirt.
- My team were among top 100 in **ACM ICPC Chennai Regionals 2016**
- **Competitive Programming**(ratings as of December 2015)
 - [Spoj](#)(Sphere online Judge) World rank:2298
 - [Codechef](#) World rank : 2159
 - [Codeforces](#) Rating : 1525
 - [Hackerrank](#) Rating : 2561

-Solved more than 500 problems on online judges

Extra Curricular Activities:

- Event Coordinator, Computer Science Association
- Cultural Secretary, Sangam Cultural Association

Assets

High assertiveness coupled with effective analytical skills. Inherent ability to communicate ideas to a large gathering. Ability to handle crises with utmost aplomb. Keen instincts, a good grasping power and efficient observation skills.

Personal Profile

Name:	Surayans Tiwari
Sex:	Male
Date of Birth:	March 16 ,1995
Languages:	Hindi, English
Institution:	Birla Institute of Technology & Science, Pilani, India.
Department:	B.E. Mechanical and Msc(Hons.) Chemistry
Current Address:	Room No. 2142, Malviya Bhawan, BITS Pilani, Rajasthan – 333031
Permanent Address:	289/2,Motinagar,Lucknow
Phone:	8504004392
E-mail:	f2013777@pilani.bits-pilani.ac.in
Nationality:	Indian

DECLARATION

I here by declare that all the information given above is true to the best of my knowledge.

DATE : February 4 2016

PLACE : BITS, Pilani

(Surayans Tiwari)