

# SARTHAK GHOSH

## PERSONAL INFORMATION

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Home Address: 73/6 Palm Avenue, Kolkata, West Bengal-700019

Date of Birth: 9 July 1991

Gender: male

## EDUCATION

<b>Degree</b>	Bachelor of Engineering (Hons) in Electrical and Electronics
<b>University</b>	Birla Institute of Technology and Science-Pilani, (Hyderabad Campus)
<b>Period</b>	Aug 2010 - July 2014
<b>C.G.P.A</b>	9.74 on a scale of 10

<b>Degree</b>	Indian School Certificate (ISC XII standard)
<b>School</b>	The Calcutta Boys' School, Kolkata
<b>Period</b>	May 2008 - April 2010
<b>Percentage</b>	95.6

<b>Degree</b>	Indian Certificate of Secondary Education (ICSE X standard)
<b>School</b>	Lycée, Kolkata
<b>Year</b>	2008
<b>Percentage</b>	97.8

## INTERNSHIPS

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<b>Institute</b>	The National University of Singapore
<b>Guide</b>	Dr Shengdong Zhao
<b>Duration</b>	October 2014-April 2015
<b>Project</b>	Joint Interaction using Finger Worn Devices
<b>Skills</b>	C++ in Qt, Embedded C Programming, Android Development

<b>Institute</b>	Telecom ParisTech, Paris , France
<b>Guide</b>	Dr Gilles Bailly, Dr Eric Lecolinet, Mr Chetan Kumar
<b>Duration</b>	January 2014-June 2014
<b>Project</b>	SuperVision: Detection and Control of In-sight and Out of Sight Objects in a Smart Home
<b>Skills</b>	Coding in c++ in Qt environment, using motion tracking system, Prototype building

Institute	Max Planck Institute for Informatics, Saarbruecken Germany
Guide	Dr Gilles Bailly
Duration	May 2013-July 2013
Project	Improved Methods of Text and Command Entry through the keyboard
Skills	3D modelling, Arduino programming, coding in Processing

Institute	Central Electronics Engineering Research Institute, Pilani, India
Guide	Mr Sai Krishna Vaddadi
Duration	May 2012-July 2012
Project	Application Development for Graphical Display of Data on LCD Touch Screen
Skills	Knowledge about micro-controllers, coding in embedded c

## UNIVERSITY PROJECTS

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Project	Development of Antibiotic Finder Machine
Guide	Dr Suman Kapur

Project	Design of a Simple Wall Climber Robot
Guide	Dr Y.V.D Rao

Project	Development of a game called "Spherio" using Kinect an OpenGL
Guide	Dr Tathagata Ray

Project	Simulation of Worm Motion using OpenGL
Guide	Dr Tathagata Ray

Project	Study of Recombination Mechanisms in Organic Solar Cells
Guide	Mr Ananth Saradhi

## COMPUTER SKILLS

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Languages	c/c++, java, HTML, Verilog
Software or Environments	Qt, Processing, Maya, MATLAB, Autodesk123D

## PUBLICATIONS

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- Article( 6 Pages) and Poster accepted in the Francophone Conference IHM (conférence francophone sur l'Interaction Homme-Machine) in the category of Work In Progress, 2014
  - Title : Supervision : contrôler spatialement les objets connectés dans une maison intelligente
  - Authors : Sarthak Ghosh, Gilles Bailly, Robin Despouys, Eric Lecolinet, Remi Sharrock

- Article( 6 Pages) and Poster accepted in CHI 2015 Work In Progress
  - Title : SuperVision : Spatial Control of Connected Objects in a Smart Home
  - Authors : Sarthak Ghosh, Gilles Bailly, Robin Despouys, Eric Lecolinet, Remi Sharrock

## ACADEMIC ACHIEVEMENTS

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1. Graduated with a C.G.P.A of 9.74 receiving a distinction certificate
2. Recipient of DAAD WISE 2013 Scholarship for summer internship
3. Recipient of merit scholarship from BITS Pilani University eight times in a row
4. Recipient of Mamraj Agarwal Scholarship, awarded by the former Governor of West Bengal, Shri Gopal Krishna Gandhi, for outstanding performance in ICSE board exams

## EXTRA-CURRICULAR ACHIEVEMENTS

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1. Art work exhibited digitally in Times Square, as part of Art Takes Times Square, 2012
2. One of the two creators of the first ever 3D road art in the college campus
3. First Prize Winner while representing the college at an art event in OASIS, a National level cultural festival for students.
4. Second Prize winner at an event called “Western Acoustic Jam” in Pearl, a National Level cultural festival for students

## Further Information

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- Personal webpage and online portfolio: [www.sarthakg.in](http://www.sarthakg.in)
- Find me at sarthakg91@gmail.com