

Gurjot S. Sidhu

gurjotssidhu@gmail.com
gsidhu.github.io
+91 852 761 2771

D - 171, First Floor
Sector 41, NOIDA
201303, India

Education B.Sc. Physics (Honours), Hansraj College, University of Delhi, 2012 - 2015
Std. XII, AISSCE (C.B.S.E.), DAV Public School, 1997 - 2012

Research Experience **Summer Research Intern** Jun 2013 - Jul 2013
Department of Physics and Astrophysics, University of Delhi
Studied the change in physical, chemical and ferromagnetic properties of Barium-Titanate thin films when doped with transition metal elements
Skills acquired: Preparing thin films using chemical methods

Research Assistant Nov 2013 - to date
Hansraj College, University of Delhi
Studying the real life applications of differential equations and understanding their physical and geometrical aspects, using physical experiments and computer simulations
Skills acquired: Simulations (2D and 3D), Scientific programming in Python

Research Intern Jun 2014 - to date
Department of Physics and Astrophysics, University of Delhi
Working on an Econophysics related project

Achievements and Honors High School Valedictorian
Academic Merit Award, Std. XII, DAV Public School
Merit Certificate, CBSE - (scored 100% in Mathematics, AISSCE)
Laureate Certificate, DAVCMC - (scored 100% in Mathematics, AISSCE)
Gold Medal (State Rank 1), International Olympiad of English Language
Bronze medal (State Rank 3), Avantika Talent Search Essay Competition
Best Actor, One Act Play Festival, Takshila Education Society
Gold Medal, Mahatama Hansraj Sports Tournament (Basketball)
Silver Medal, District Level School Games (Basketball)
86th percentile globally in Google Code Jam 2014

Societies **Hansraj Dramatics Society** Aug 2012 - to date
Coordinator, Technical Head
Been a part of three productions - won numerous competitions at the inter-university level
In-charge of all PR and technical activities

LUMEN - Physics and Electronics Society Aug 2013 - to date
Academic Coordinator
Co-founder, Schrodinger's Club - Weekly Journal Club of the Department of Physics, Hansraj College
Organised debates, quizzes, seminars and offered general guidance to juniors

**Work
Experience**

Freelance

Interned with Hindustan Times Education
Wrote pop science and technology reviews for a website
Helped design the curriculum for an ESL course

**Computer
Skills**

Languages

Python, C++, MATLAB, HTML, CSS, LaTeX

Projects

Simulations

3D simulations of Simple Harmonic Oscillators

Game Design

Implemented a version of Pong and a 2x2x2 Rubik's Cube solver

Applet Design

Wrote a Linear Algebra module in Python

Built a RSS feed reader cum text readability helper applet

Graphics Design

Designed desktop wallpapers and posters; submissions on deviantart.com
have over 40,000 individual page views and 20,000 downloads

Hobbies

Reading, Football, Basketball, Theatre, Amateur Software Development