

Apoorva Mahajan

 <http://www.linkedin.com/in/apoorva-mahajan>

I cannot do everything, but I can do something. I must not fail to do the something that I can do - Hellen Keller

 apoorva.avi@gmail.com  +919818754488

Education:

Examination	Board/School/College	Percentage Obtained
B.E. – ECE	Netaji Subhas Institute of Technology, Delhi University	83.01% (9.051 GPA)
Class XII	CBSE Board-2014 Delhi Public School, Dwarka, New Delhi	94.4%
Class X	CBSE Board-2012 Delhi Public School, Dwarka, New Delhi	10 CGPA

Skills:

Verilog, SystemVerilog, UVM, Verdi, MATLAB, PCB Fabrication, PSpice, Circuit Design, VHDL, Arduino, EagleCAD, Excel Macro and scripting, Perl, Python, LATEX

Experience:

- ❖ **QUALCOMM INDIA PRIVATE LIMITED Bangalore** July 2018-Present
Associate Hardware Engineer, DDR Subsystems, Infra IP Division
 - ✓ Power verification of various chip sets. Awarded QUALSTARS twice for contributions.
 - ✓ Designed and developed various special feature additions like Bank hashing and Chromebook reset.
- ❖ **HATCHnHACK, Delhi** Sep 2018-Present
Consultant, Content Developer and Tech-guru
 - ✓ Content management for the website/blogs and workshops.
 - ✓ Mentoring students and professionals in various electronics skills.
- ❖ **SAMSUNG SEMICONDUCTOR INDIA R&D (SSIR), Bangalore** June 2017-July 2017
Hardware Intern
 - ✓ Built a test bench automation tool- HANS for the Pixel Signal Processing Division.
- ❖ **CENTRE FOR ELECTRONICS DESIGN AND TECHNOLOGY (CEDT), NSIT** 2015-2017
 - ✓ Mentored undergraduate students in various summer and winter training programmes.
 - ✓ Conducted workshops for primary and secondary school students in different schools.

Projects:

- ❖ Presented a thesis on – ‘Analog Neural Networks and their Applications’ under the guidance of Dr. Raj Senani.
- ❖ Presented a seminar on – ‘Memristors and their applications in communication’ under Dr. Raj Senani.
- ❖ Designed, developed and implemented electronic games for an Escape room venture- [Goosebumps](#).
- ❖ Designed frameworks for various controllers like TIVA, MSP430 and C2000.
- ❖ Built Tri Hex LED game, Battery-less TV remote, Linear Power Supply and Line follower robot.
- ❖ Attended a workshop on PCB Designing and Fabrication and HAM Radio in 2015.
- ❖ Participated and won the third price in INNOTHON competition held by India Smart Grid Forum in 2017 for designing a smart switch. Applied for provisional patent.
- ❖ Built an 8085 based project - Magnetic levitating Doll under the guidance of Prof. Dhananjay V. Gadre.
- ❖ Member of the winner team which designed an obstacle avoider robot for Sixth Sense Robotics competition, organized by Robotech Labs and Techfest, IIT Bombay.

Academic Achievements:

- ❖ Delhi University Merit Scholarship for 2015-2016, 2016-2017
- ❖ Participated in INSPIRE internship programme 2012, Department of Science and Technology, Govt of India. Only top 1% students all over country are eligible for this programme.
- ❖ NEST 2012 - National Rank: 38; JSTS Scholar 2010-11 - National Rank: 28
- ❖ Represented India at Singapore in Asia Pacific Mathematics Olympiad in 2006.
- ❖ Won national level ranks in several examinations conducted by various organizations- National Board for Higher Mathematics (NBHM), Unified Council, Royal Australian Chemical Institute-Australia, Science Olympiad Foundation, SilverZone etc.
- ❖ Recipient of School Scholar Badge for 7 consecutive years.
- ❖ GATE All India Rank: 855 CAT Score: 97.84 percentile

Extracurricular Activities and Hobbies

- ❖ Participated in Intra college cultural fest – Resonance; was a part of the winning team.
- ❖ Trained Bharatnatyam Dancer (Visharad Pratham). Organizing annual dance-drama for last 10 years.
- ❖ Held the post of General Secretary of AXIOM- Mathematics Society of DPS DWARKA.
- ❖ Mentored young minds in Vedic Maths Techniques.
- ❖ Avid reader and amateur poet.