

ABHINAV GANDOTRA

MALE, 21 YEARS

B.E.(Hons.)Electronics and Instrumentation (2012-2017) &M.Sc.(Hons.) Biological Sciences &**CGPA: 7.39**

AISCE (Class XII)	2012	Bharatmata Saraswati Bal Mandir, New Delhi	88.8%
AISCE(Class X)	2010	Bal Vikas School, Panipat	CGPA-9.6/10

Courses: Object Oriented Programming, Computer Programming, Design, Microprocessors, Microelectronics, Control Systems, Signal and Systems.

Courses to be done: Operating Systems and Database Systems

INTERNSHIPS

- Summer Intern, **Tulip Diagnostics and Instrumentation**, Goa May 2014-July 2014
Worked in the Manufacturing and R&D Department. Got recognized with a certificate for my work and conduct.
- Summer Intern, **CSIR-CEERI**, Pilani May 2015-July 2015
Designing temperature control circuit for LTCC Based gas sensor in Hybrid Microcircuits Deptt.-Microcontroller was used to design a precise circuit for sensing different gases at various temperatures. It was a DRDO funded project.

PROJECTS

- **Robotic Trolley for material handling and disaster management:** (March- 2014)
 - The project was prototype to work in disaster rescue and industrial operations.
 - Was awarded **second position at APOGEE**(technical fest BITS Pilani) in category “ Industrial Applications and Processes” and it also got into the **final rounds of Dhiti** organized by Nirmaan judged by Prof. Anil Gupta (Founder, Honey Bee Network and Sristi Organization)
- **Improved land cover mapping using high resolution 8 band World-View2 satellite Remote Sensing data:** (March- 2014)
 - Multiangular WV-2 data were classified into- prone surfaces, such as vegetation, water bodies, and man-made features, using a cluster of normalized difference spectral index ratios (SIR) and areas of region were calculated.
 - Project participated in **final round** of APOGEE 2014 in Category: “Signal Processing”.
- **DTMF controlled wireless bot:** (June - July 2013)
 - I made this project as an assignment during a one month workshop on “Image Processing on Matlab”.
 - Got a certificate of appreciation certified by IAO, Houston, USA.
- **Designing ISFET based Sensors for early diagnosis of cancer:** (Jan. 2014 - Present)
 - The final target is to write a paper and fabricate a chip for the testing.
- **NETRA: An eyeglass for Blind people** (Sept. 2014 - March 2015)
 - Project competed in Texas Instruments innovation Challenge (**Cleared Quarter Finals**). Project was funded by TI.

ACADEMIC ACHIEVEMENTS AND AWARDS

- Secured 10th Rank in Talent Search Exam organized in Haryana and Uttar Pradesh organized by Shiksha Prasar Society.

POSITIONS OF RESPONSIBILITY

- **Secretary, IEEE BITS Pilani Chapter (2014-2015)**
 - It is technical society with around 50 members which is responsible for organizing technical events on campus.
 - As a part of this society I organized many workshops, guest lectures and Events including the ones in our technical fest APOGEE.
 - As a secretary I initiated lecture series “Aavishkar” and designed a new event “Robo-Tetris”.
- **Event Coordinator, Creative Activities Club(2013-2014)**
 - The club organizes events as well as do art decorations in all the three fests of BITS Pilani. As part of it I was given responsibility of events **during OASIS and BOSM** and making art structures.
- **Inventory Coordinator, Instrumentation Forum(2015-2015)**
 - My job was management of inventory room and issuing, buying of costly **inventory worth Lakhs**.
- **Joint Secretary, Haryana Cultural Association(2014-2015)**

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Was part of swimming team of fertilizer club and won medals in some inter-club competitions.
- Member of volleyball team for school.
- Like playing keyboard, was part of school band and also performed in college.

TECHNICAL SKILLS

- **Programming Languages** - C, C++,Java
- **Script Languages** - Matlab, Arduino
- **Software** -Proteus, LT-Spice, Cadence, Silvako, Labview, Microsoft Office