

Ankit Arora

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Enrollment Number: IEC2014080

Objective

To work with an organization where I can use my knowledge and skills to benefit mutual growth and success.

Education

2014 to 2018	Bachelor of Technology Electronics and Communication Engineering IIIT ALLAHABAD	CGPI : 9.18
2013 to 2014	Senior Secondary Examination - Class XII Asha Modern International School, Saharanpur (UP) Central Board of Secondary Education (CBSE)	Percentage : 94.8 %
2011 to 2012	Higher Secondary Examination - Class X Asha Modern International School, Saharanpur (UP) Central Board of Secondary Education (CBSE)	CGPA : 10

Projects

MOTION PLANNING FOR MULTIPLE AUTOMATIC ROBOTS

- 6th Semester Mini Project.
- Designed a system in which automatic robots travel without colliding with any obstacles in their path.
- Collision avoidance algorithm is based on the Elastic Strip approach where each robot experiences a repulsion from all the other objects in the arena.
- Technologies Used : MATLAB, Firebird V robot, Embedded system programming using C.

DESIGN OF FREQUENCY SELECTIVE METAMATERIAL STRUCTURE

- 5th Semester Mini Project.
- A printed circuit board (PCB) design of a metamaterial structure that produces more than 10 dB attenuation for a frequency range of 3.23 to 4.85 GHz.
- Technologies Used : High Frequency Structural Simulator (HFSS), PCB design techniques.

Accomplishments

- Organiser, WOLF OF 2311, a circuit designing competition held in the quintessential electronics Lab 2311, during APAROKSHA 2017, the annual technical festival of IIIT Allahabad.
- Awarded the MERIT INCENTIVE Scholarship by IIIT Allahabad for extraordinary ACADEMIC PERFORMANCE in the year 2014-15.
- Reached the final stage in a team of 4 members in E - YANTRA Robotics Competition organized by IIT BOMBAY in 2015-16.
- Secured fourth position in TECHNICAL QUIZ organized by IEEE Student Branch IIITA in the year 2014.
- Obtained a 95.76 percentile in the PROBLEM SOLVING ASSESSMENT (PSA) conducted by CBSE in 2012-13.

Skill Set and Interests

INTERESTS

1. Solving mathematical puzzles and algorithmic problems.
2. Developing applications to solve real life problems.
3. Managing database systems.

SKILLS

- Programming Languages : C, C++.
- Web Development Skills : HTML, CSS.
- Database Management Language : SQL.
- Good knowledge of Machine Learning tools and techniques, Operating System Concepts and Computer Networks.
- Experience of working on MATLAB, HFSS and many other simulation and signal processing tools.

Personal Details

- **Date of birth** : 28 August 1995
- **Permanent Address**: J/21 Keshav Nagar Numaish Camp Saharanpur (U.P)