

# RITIK SACHDEVA

D58/16-12 Ashok Nagar Sagra Varanasi, U. P.  
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## EDUCATION

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### **Ajay Kumar Garg Engg.College, Ghaziabad**

*August 2017 - Present*

Bachelor of Technology

Department of Mechanical Engineering

### **Dr. Amrit lal Ishrat Memorial Sunbeam, School, Varanasi**

Class XII (CBSE)

Percentage: 86

Class X (CBSE)

9.6 CGPA

## CARRIER OBJECTIVE

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To work for an organization that provides me the opportunity to improve my skills and knowledge to grow along with the organization's objective.

## WORKSHOPS

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### **Innovation**

Organized by the Phoenix Society, this 3-day workshop aimed at designing and building a Line Follower Boot with IR sensors in the input part, Arduino board in the control part and motor IC drive used to control the motion.

### **Aacar**

Aacar' 18 was a 2-day workshop specifically purposed to help us learn about various types of Engine and their working. This provided us a handful of knowledge about different engines, by giving us vast insight into Engine of Centro, Bullet Engine, Effi Car and Effi Cycle.

## TECHNICAL STRENGTHS

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**Programming Languages** C, C++, HTML, CSS

**Software & Tools** Data structure

## ACADEMIC ACHIEVEMENTS AND CO-CURRICULAR ACTIVITIES

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- Won bronze medal in IYMC (International young mathematics convection) in an individual event held at CMS Lucknow.
- Won a consolation prize in COFAS in a dramatic event held at CMS Lucknow.
- Awarded Gold medal in CBSE state skating championship and selected in CBSE national skating championship.

## PROJECT:

**Research project on maintaining the temperature of water (using electrical circuit):** (Prof. Amitesh Kumar) [4<sup>th</sup> June-20<sup>th</sup> July]

- Detection of temperature using a temperature sensor and seven-segment display.
- Electrical circuit- Arduino, Thermal switches for heater and fan, Thermistor, male and female wires for connection, etc.

- Prevent the losses- Radiation, Conduction, and Convection through use of insulators and use of effective structure like
- Usage of redwood because of waterproof nature.
- Mechanical workshops of cutting, drilling, finishing.

## **EXTRA-CURRICULAR ACTIVITIES**

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### **Positions of Responsibility**

- Member of NGO name slum swaraj situated at various places of Ghaziabad and other states also. Its basic objective is to teach slum children and getting their future secure.
- Mentored and provided educational resources to the children.
- Regular different program are organized from the overall growth of children.

### **Member of Akgec Kho-khoTeam.**

- Secured 1<sup>st</sup> place in zonal and state event of kho-kho of UPTU 2018.
- Secured 1<sup>st</sup> place in Sangram 2019 sport fest of IIT Roorkee.
- Secured 1<sup>st</sup> place in Aaram 2020 sport fest of SRMS Bareilly.

## **PERSONAL TRAITS**

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- Highly motivated and eager to learn new things.
- Strongly motivated and leadership skills.
- Ability to work as an individual as well as in a group.