

# KRITIKA SINGH

## ROBOTIC AND AUTOMATION

### CAREER OBJECTIVE

To work in a progressive organisation that incorporates varied spectrums of work and diversity, enabling collective excellence and technical growth, personal fulfilment with welcome attitude for new ideas and concepts to enhance the overall growth of the organization. To use my educational skills in the best possible way for achieving company's goal.

### EDUCATION

Year	Degree/ Exam	Institute	CGPA/Percentage
2018	M.Tech, Robotics and Automtaion	Indira Gandhi Delhi technical university for women	85.6%
2017	B.TECH	Indira Gandhi Delhi technical university for women	74.22%
2013	12 <sup>th</sup>	CBSE	73.4%
2011	10 <sup>th</sup>	CBSE	7.4/10

### COMPUTER SKILLS

1. Programming language- C
2. Software Packages- PRO E(CREO), Solid works
3. Operating System- Microsoft Excel, Microsoft PowerPoint
4. PLC and SCADA along with knowledge of softwares like RS Logix 500, Fluidsim, Ladsim, Matlab with Robotic toolbox, RoboDK, Roboanalyser, Mechanalyser.

### ACADEMIC PROJECTS

1. **Study of Oxygen Sensor-** Monitoring oxygen levels in the exhaust is a way of gauging the fuel mixture. It tells the computer if the fuel mixture is burning rich (less oxygen) or lean (more oxygen).
2. **Automobile & Engine Designing using Reverse Engineering** - The processes of Extracting knowledge or design information or re-producing anything based on the extracted information.
- 3.Design and Fabrication of **manual seed Implanter**
- 4.Wireless selfiebot quadcopter
- 5.Development and design of two fingered gripper hand to hold deformable article .

### INTERSHIP/ TRAINING

1. **Indraprastha power generation company ltd (IPGCL)**, Delhi (June 2015- July 2015).It involved the study of cooling towers and circulating water pumps used in IPGCL.

2. **Maruti auto care India Pvt Ltd**, Noida (December 2015- January 2016). The project done was Tire balancer and wheel alignment. Tire Guide Pro™ was used providing fast, easy, access to tire sizes, inflation specifications, rim information.

3. **Honda cars India ltd, greater Noida** (June 2016- July 2016). The project done was the DIRECT PASS RATIO and the painting process with the main defects during the process. As the workers faced ergonomics issues which hampered the safety and quality of product.

4. Visited **MAHINDRA RESEARCH VALLEY, CHENNAI** (JANUARY,2016)

5. **AMC AUTOMATION**, Delhi (1.06.2018 – 30.06.2018) It was Industrial training for Robotics and Automation

6. **ATS LEARNING SOLUTION**, pursuing three months internship as a content development for Mechanical, Robotics & Automation

#### POSITIONS OF RESPONSIBILITY

- **Captain**, SLS DAV Public School
- **Regional coordinator**, AWIM (A world in motion), members of society of automotive engineers (SAE), India for two years
- **Associate**, Taarangana ( Annual Cultural fest)
- **Associate**, Xebec ( Annual Technical fest)
- **Style Ambassador**, Easyflaire
- **Public Relation Head** , Training and placement (2017-2019)

#### EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Participated in Catharsis by Department of Environment, secured first position in Ecofie.
- Participated in brick- o- brick by IGDTUW, Secured first position.
- Awarded subject topper award for excellence by SLS DAV Public school.
- Volunteered in dramatic society, Rahnuma.
- Volunteered in Teaching, AWIM.
- Participated and won in Intra-school drawing competition, debates and creative writing competitions.

#### PERSONAL PROFILE

- **Father's Name** : Prem Raj Singh
- **Mother's Name** : Kusum Lata
- **Date of Birth** : 04/05/1995
- **Permanent Address**: G-95/A, Jagat puri, Krishna nagar. Delhi-110051
- **Language Known** : English, Hindi
- **Email ID** : Singhkriti995@gmail.com

I hereby declare that information furnished above is true to the best of my knowledge.

**DATE:** 18/01/2019

**PLACE:** Delhi