

# Sudha Chaudhry

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<https://sudha0125chaudhry.github.io/>

## Objective

I am an undergraduate in B. Tech. ECE with specialization in Robotics and IoT. I am a progressive learner, effective communicator, team player and have a keen interest in expanding my knowledge about various technologies in the IoT domain through various career opportunities.

## Work Experience

### Content Writer (Jun 2021 - Present)

#### Medguru

Authored academic content in Physics for NEET aspirants.

### Content Writer (Jun 2021 – Jul 2021)

#### Hariyali NGO

Authored technical and non-technical content for the organisation's blog and help promote their digital presence.

Link: <https://eduindex.org/author/sudhachaudhry19991185/>

### Curriculum Writer (Jun 2021 – Jul 2021)

#### Team Everest NGO

Craft English Grammar worksheets for government school students.

### Teaching Assistant (Aug 2020 – Sep 2020)

#### VSD Public School

Successfully taught "Basics of HTML" to 7<sup>th</sup> standard students over an online platform.

### Content Writer (Apr 2020 – Jul 2020)

#### Vetwe Media

Authored content for their company's blogs – Gamer Rewind and Finance Rewind on topics such as current internet trends, entertainment, technology, finance, and games.

Link: <https://gamerrewind.com/author/sudha/>

## Publication

"A Survey on Long Wide Area Network (LoRaWAN)," A Journal of Advanced Research in Networking and Communication Engineering, Feb 2020

Link: <http://thejournalshouse.com/index.php/adr-networking-communication-eng/article/view/179>

## Education

### Bachelor of Technology in Electronics and Communication Engineering (Jun 2018 - Present)

NIIT University, Neemrana, Rajasthan

Specialization – Robotics and IoT

### Senior Secondary (2017)

VSD Public School, Bijnor, Uttar Pradesh

Board – CBSE

### Secondary (2015)

VSD Public School, Bijnor, Uttar Pradesh

Board – CBSE

## Volunteer Experience

- Volunteer | Kitchen Garden | Team Everest NGO
- Problem Analyst | Unnat Bharat Abhiyan | NIIT University
- Student Mentor | Community Connect | NIIT University
- Fundraising Assistant | HelpAge India | VSD Public School
- Fundraiser | Caring Souls Foundation | VSD Public School

## Technical Skills

C/C++

Python

MATLAB

LTSpice

Logisim

Scilab

Arduino IDE

Keil uVision5

NS2

## Soft Skills

Leadership

Teamwork

Creative Content Writing

Public Speaking

Enthusiastic

Reliable

Adaptive

## Projects

- **Application of IoT in Smart Navigation (Jan 2021 – May 2021)**  
GitHub Link: <https://github.com/sudha0125chaudhry/RnD-IOT-Navigation>  
YouTube Link: <https://youtu.be/907mNmVgeys>
- **PID Balance+Ball (Jan 2021 – May 2021)**  
YouTube Link: <https://youtu.be/sqBt5FIzrY4>
- **Line Follower using PID (Jan 2021 – May 2021)**  
YouTube Link: <https://youtu.be/bE6gIcFbiE4>
- **Echo Generation and Cancellation (Mar 2020 – Jun 2020)**  
GitHub Link: <https://github.com/sudha0125chaudhry/Echo-Generation-and-Cancellation>
- **Hydro Infinity (May 2020 – Jun 2020)**  
GitHub Link: <https://github.com/sudha0125chaudhry/Hydro-Infinity>  
YouTube Link: <https://youtu.be/KGz8PGdq8Is>
- **Plant Monitoring System (Nov 2019 – Dec 2019)**  
GitHub Link: <https://github.com/sudha0125chaudhry/Plant-Monitoring-System>  
YouTube Link: <https://youtu.be/NouAV1APVbg>
- **Hand Gestures Controlled Computer (Jan 2019 – Apr 2019)**  
GitHub Link: <https://github.com/sudha0125chaudhry/Hand-Gesture-Controlled-Computer>  
YouTube Link: <https://youtu.be/o-yrBs5L19o>

## Achievements

- 30 days Google Cloud Program | Qwiklabs (Dec 2020)
- HackNU 2.0 | NIIT University (Jun 2020)
- Certificate of Publication | Advanced Research Publications (Feb 2020)
- Letter of Appreciation | Human Resource Development | Government of India (Jul 2015)

## Positions of Responsibility

- Student Mentor | Resonance 2019 | NIIT University
- Head Girl of VSD Public School (2016 - 2017)
- Member | Organising Committee of TECH FEST | VSD Public School (2016)
- Member | Organising Committee of SAPTRANG | VSD Public School (2015)
- Compère | SAPTRANG | VSD Public School