

PRIYA

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github <https://github.com/priya-singh05>



EDUCATION

B.E in Electronics and Telecommunication Engineering

8.25 CGPA

2019–2023

DSCE, Bengaluru

Senior Secondary (12th)

69.2%

2019

Chinmaya Vidyalaya

High School (10th)

9.4 CGPA

2019

PAS, Bokaro

PROJECTS

Solar Powered Automated Fruit Harvesting BOT

Dec 2022 to Contd.

- Working on a BOT which can follow a directed path and detect ripe and raw tomatoes and pluck it.
- Tool - Arduino Uno
- Tech - Python, Machine Learning, CNN

Encryption and Decryption using Matrix Operation (HILL CIPHER)

Dec 2022

- Developed a python application which can encrypt and decrypt an image using HILL CIPHER encryption technique. It calculates the MSE and PSNR of the image to predict its quality.
- Tech - Python, cv2, imageio, numpy

Fruit Harvesting BOT

September 2022

- Developed a fruit harvesting system by combining a robotic arm and a line-following robot.
- Tool - Arduino Uno, Arduino IDE, Robotic Arm navigation app

My Personal Portfolio

January 2023

- applied my creative skills to create my personal portfolio
- <https://priya-singh05.github.io/personal-portfolio/>
- Tech - HTML, CSS, JS

Developed a portfolio of a faculty at IIT Delhi.

October 2022

- Worked on a portfolio of a faculty.
- <https://priya-singh05.github.io/drs/>
- Tech - HTML, CSS Bootstrap

TECHNICAL SKILLS

JAVA PYTHON JAVASCRIPT
HTML5 CSS3 C C++
Data Structures algorithm OOPs
DBMS MATLAB Arduino IDE

SOFT SKILLS

Attention to details
Creative Thinking Team Work
Communication Easily adaptable
Persistent Problem Solver

PAPERS PUBLISHED

Research paper presented at International Conference on Intelligent Data Communication Technologies IoT (IEEE Conference)

January 2023

- Title: Solar Powered Automated Harvesting BOT.

Research paper presented at National Conference on AI ML Techniques for Electronics, Control Automation.

January 2023

- Title: Fruit Harvesting BOT

CERTIFICATIONS

Web Development BootCamp (Udemy)
IOT Embedded Systems (Technologics)
Programming Fundamentals (Coursera)
Introduction to Electronics (Coursera)

WORKSHOPS

- 5-day workshop on "Future of 5G" at RVCE
- Online workshop on "Arduino Microcontroller, Circuit Simulation, and Projects"
- Learned about the applications of IOT in workshop held at college on "Internet OF Things"