

# Jyotika Yadav

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## EDUCATION

### INDIAN INSTITUTE OF INFORMATION TECHNOLOGY KALYANI

B.TECH. IN COMPUTER SCIENCE AND TECHNOLOGY

Expected June 2021 | Kalyani, W.B.  
Cum. GPA: 8.6

### LUCKNOW PUBLIC COLLEGE

Grad. May 2017 | Lucknow, U.P.

## LINKS

Portfolio:// jay4jyotika.github.io  
Github:// jay4jyotika  
LinkedIn:// jyotikayadav

## COURSEWORK

### UNDERGRADUATE

Programming in C  
Data Structures and Algorithms  
Programming in Python  
Probability and Statistics  
Discrete Mathematics  
Computer Organization and Architecture  
Formal Language and Automata Theory  
Numerical Methods  
Operating System  
Object Oriented Programming

### BEYOND THE CURRICULUM

Javascript  
PHP  
CSS  
Machine Learning

## SKILLS

### PROGRAMMING

Python • JavaScript • Java • C • CSS • PHP • HTML

## PROJECTS

### CORRECTION OF ANNOTATION AFFECTED WORDS IN DOCUMENT IMAGES

MACHINE LEARNING, IMAGE PROCESSING

July 2019

- reads document images using tesseract ocr
- does grammar check and improves that result
- will remove annotation marks using Image Processing

### CI/CE EXCLUSIVELY BUILT FOR MACHINE LEARNING

MACHINE LEARNING

March 2019

- fills the gap between traditional CIs and Data Science
- provides data visualization and version controlling of models

### AI POWERED WEARABLE TO ASSIST THE VISUALLY IMPAIRED

MACHINE LEARNING

March 2019

- AI based wearable device to help visually impaired in know their surrounding
- takes images from camera, tells what is around as voice (using Alexa Skill)
- can recognize faces of the people you know (from you contacts images)

### SHOPPING ASSISTANT

MACHINE LEARNING

Feb 2019

- AI based recommendation system for shopping online
- suggests based of past purchases and searches

### READ HANDWRITING

MACHINE LEARNING

Dec 2018

- recognizes hand written text in image

### E-MAIL FOR BLIND

PYTHON

Jan 2018

- enables the person to listen to their mails
- can compose mail : speech to text
- voice operated command system

### CRIMINAL RECORD MANAGEMENT SYSTEM

JAVA

April 2019

- an application for digitizing criminal record keeping system
- helps in analyzing demographics of the criminals

## HACKATHONS

### HACK-A-BIT

BIT MESRA, RANCHI

Sept 2018

- Most innovative hardware hack

### CODEUTSAV

NIT, RAIPUR

Feb 2019

- Successful Participation

### HACKFEST

IIT(ISM), DHANBAD

March 2019

- Among the Top Twenty Hacks

### HACK IN THE NORTH

IIIT ALLAHABAD

March 2019

- Among the Top Ten Hacks

## SMART SHOPPING CART

HARDWARE

Oct 2018

- designed to create a smart and secure shopping experience
- removes the need of a queue before checking out as the shopping cart generates the bill itself
- uses raspberry pi 3B+, RFID, weight sensor

## PLACEMENT PORTAL WEBSITE

WEB-DEV

Sept 2018

- created the Placement portal of IIIT Kalyani, being a part the Web-Team