

Jyotika Yadav

Indian Institute of Information Technology Kalyani

☎ (+91) 8318720134 | ✉ jyotika@iiitkalyani.ac.in | 🏠 jay4jyotika.github.io | 📱 jay4jyotika | 📺 jyotikayadav

Education

Indian Institute of Information Technology Kalyani

B.TECH. IN COMPUTER SCIENCE AND ENGINEERING

Cum. GPA: 8.9

Kalyani, Nadia, West Bengal

Aug. 2017 - Jul. 2021 (expected)

Work Experience

SuperBolter Pvt. Ltd.

COMPUTER VISION INTERN

Apr. 2020 - Jun. 2020

- Detection of furniture from a room image and finding similar images for the detected furniture
- This helps the user to send a picture of a room and find the product of choice from the company catalog

Logyana Solutions

IMAGE PROCESSING INTERN

Feb. 2020

- Worked on document images to extract selective information from the document image form
- Created executable application for the purpose

Skills and Interests

General interest Computer Vision, Deep Learning

Language Python, C, JavaScript, JAVA, Bash, SQL, HTML5, CSS

Machine Learning Keras, Pytorch, Tensorflow, FastAI, OpenCV, Scikit-Image, Scikit-Learn, Pandas, NLTK

Others PyGame, Selenium, PyQt, Numpy, Matplotlib, SciPy, Alexa Skill, Git

Projects

Virtual Tourist Guide for Government of Goa

DEEP LEARNING, FLUTTER, FASTAPI, KUBERNETES

Mar. 2020 - Aug. 2020

- Recognize monuments and landmarks of Goa from clicked image using the app
- Created REST API using FastAPI, containerized the app using docker and deployed the app on a Kubernetes cluster hosted on KubeSail

Correction of annotation affected words in document images

IMAGE PROCESSING, NATURAL LANGUAGE PROCESSING

Jul. 2019 - Jun. 2020

- Localizes and removes annotation from a document image, uses inpainting to retrieve the text back (pre-OCR document correction)
- Spell checks and grammar checks the OCR output (post-OCR correction)

CI/CE Exclusively Built For Machine Learning

MACHINE LEARNING

Mar. 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

Mar. 2019

- AI based wearable device to helps visually impaired to know their surrounding and communicate with it (using Alexa Skill)
- Takes images from camera, tells what is around and also can recognize faces of the people you know (from users contact's images)

E-mail Guide for Visually Challenged

PYTHON

Jan. 2019

- Enables the person to listen, compose (using text to speech), modify on voice command

Achievements and Responsibilities

Winner Smart India Hackathon, 2020

Best Hardware Hack Hack-A-BIT Hackathon, BIT Mesra, 2018

Founding Member Free and Open Source Community IIIT Kalyani

Founder Groovz Dance Club, IIIT Kalyani