

# Abhishek Seth

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## EDUCATION

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY KALYANI

BACHELORS COMPUTER SCIENCE

GPA: 8.72/10

July 2019 - July 2023

Kalyani, West Bengal

## EXPERIENCE

DR. SANJOY PRATIHAR | RESEARCH

Kalyani, West Bengal | Jul 2021 – Present

- Working on compression and processing of binary images using Random Isothetic Covers.
- Random Rectilinear Polygon and Inner Isothetic Cover generation.
- Finding similarity between 2 objects in 2 binary images using Object Chain codes.

## SKILLS

PROGRAMMING LANGUAGES

C, C++, JAVA, Python, Dart, Solidity, react

INDUSTRY KNOWLEDGE

Data Structure and Algorithms, Ethereum Blockchain, DBMS

LIBRARIES/Frameworks

OpenCV ,tkinter ,numpy ,matplotlib ,nlTK ,Pandas ,Nodejs ,web3 ,mediapipe

TOOLS / PLATFORMS

Git/Github, Android Studio, Google Colab, VS Code, Unity

DATABASES

MySQL

## PROJECTS / OPEN-SOURCE

VKYC | [LINK](#)

nextjs, Solidity, Ethereum

- A Blockchain-based one-time video KYC solution.
- Smart Contracts written in solidity and deployed on Ethereum network.

STEPALGO | [LINK](#)

JAVA

- A Java Algorithm Visualizer aims to help students.
- Step by step visualising and analyzing using next and previous button.
- Provided quiz for testing your learning.

DETECT AND COUNT | [LINK](#)

Python, YOLOv4, OpenCV

- A machine learning predictive model to count the number of pipes over acres to reduce the manpower.
- Scraping around 100 of image dataset from google and annotate pipes using Labelling.
- Trained a YOLOv4 model to detect and count the number of pipes.

DESTINATION RECOMMENDER SYSTEM | [LINK](#)

Python,tkinter

- Processed and Analysed data to recommend destination to user based on input month.
- Secured 2nd position out of 1200 teams in Enter the travelverse Hackathon by ARC.

## HONORS & AWARDS

- Secured 1st position among 4000+ teams registered at HackForSport 2022 by Sporjo, Goa.
- Secured 2nd rank among 1000 teams at HackBattle: Impact through data 2022 by T-Systems.
- Secured 2nd rank among 1000+ teams t Enter the TravelVerse 2021 by ARC.
- Secured 2nd rank at Rally to Tally 2021 by Mitsubishi Corporation.
- Top 8 in 11500+ registered teams at BIAL Genie Hackathon by Microsoft.
- 1st Runner ups at Toycathon 2020 by IIIT Kalyani.
- Most Innovative Project at Winter of Code 1.0 2020 by GoogleDSC IIIT Kalyani.
- Ranked 185 among 5000+ teams with 50% accurate model at Amazon ML challenge.