



# Aritra Chakraborty

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## Profiles

aritra-chakraborty-60049625b

its-aritra-20

## Education

University Of Engineering and Management	Kalyani Public School
Computer Science Engineering	Computer Science
8.95 GPA	69.5%
2021-Present	2019-2021
BTECH	Intermediate
Ramkrishna Vivekananda Mission	
Vidyabhavan	
88.6%	
2010-2019	
High School	

## Skills

Java	OOPS
■■■■■□	■■■■■□□
MySQL	DSA
■■■■■□	■■■■■□
DBMS	C
■■■■■□	■■■■■□□

## Interests

Watching and playing Cricket

Collecting Fountain Pen and Inks

Have understanding of programming languages like Java and C, along with a strong foundation in Data Structure Algorithm , Database Management System and machine learning algorithms, including Convolutional Neural Networks (CNN).

## Projects

### UnderWater Image Enhancement

Deep Learning

<https://github.com/its-aritra-20/Under-Water-Image-Detection>

Used CNN UNET model for image segmentation and experimented with different loss functions, including Mean Squared Error (MSE), Structural Similarity Index (SSIM), and Peak Signal-to-Noise Ratio (PSNR).

### Brain Tumor Detection

Machine Learning

<https://github.com/its-aritra-20/Brain-Tumor-Detection>

Used CNN algorithm and trained model to detect brain tumor from MRI images

## NPTEL Certifications

Programming In Java	Problem Solving through Programming in C
Fundamental Algorithms Design and Analysis	Data Base Management System
Data Science for Engineers	Programming in Modern C++
The Joy of Computing using Python	Python For Data Science
Programming, Data Structures and Algorithms	Developing Soft Skills and Personality
Enhancing Soft Skills and Personality	Cloud Computing

## Certifications

CyberSecurity Fundamentals Of Malware Analysis (CSI)	Microsoft PowerBI
IBM Generative AI Micro Internship Certificate	IBM Cybersecurity Analyst (Coursera)
IBM Data Analyst (Coursera)	Technical Communication for Engineers

## Languages

English	Bengali	Hindi
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## NPTEL Awards

NPTEL DOMAIN SCHOLAR COMPUTER SCIENCE (Programming Domain)

NPTEL MOTIVATED LEARNER

NPTEL DISCIPLINE STAR