

Jasmin Jahan Puspo

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Education	North East University Bangladesh Major: Computer Science & Engineering Obtained GPA: 3.54 /4.00	January 2017-June 2021
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Interests	Computer Vision, Machine Learning
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Projects **Object Info:** This JAVA project identifies and briefly describes different types of objects in real life. The text-to-speech part was added to pronounce the description beautifully.

Desktop Application: A simple GUI-based desktop application that finds out different files/ folders from desktop local disks. I have used JAVA language.

Tic Tac Toe: This 5 by 5 Tic-Tac-Toe game is a simple GUI-based strategy board game that was implemented in python from scratch. Where user input is needed and the model gives another. Finally made a decision win/lose or tie.

Titanic Survival prediction-Kaggle: In this project, I analyze the Titanic data and made two predictions such that passengers on the boat the ship would survive or not. To classify the model I trained RandomForest, KNN algorithm.

Bangla Money Recognition-Kaggle: A python-based project which classifies Bangla nine notes. KNN, Linear regression, and CNN algorithms are trained to classify the image. All algorithms are compared between scratch models and libraries.

Breast Cancer Classification: This is a python project which classifies the stage of cancer either Cancer or not. After preprocessing the MIAS dataset, an ideal CNN model is used to train the model folwed by ML libraries.

Object Detection & Segmentation: The purpose of this project is to go through the Mask R CNN algorithm in ins and outs. How it works, what changes are made to train Gray, RGB images.

Fully Automatic Computer-Aided Mass Detection And Segmentation Via Pseudo-Color Mammograms And Mask R-CNN: A Research paper I had implemented during my undergraduate thesis. INBreast datasets with their corresponding annotation file are used to segment the tumor. Gray, PCM (generated from MatLab) images are trained through the Mask R-CNN.

Medicare: A health-based website that provides information about Blood banks, Health tips, Pharmacies, Doctors. I have used PHP, HTML5, CSS3, MySQL.

Study Management System: A simple dynamic website created using PHP, HTML5, CSS3, MySQL where people can store their study materials.

Skills

Fluency at C, Java, Python, MatLab, Latex, HTML5, CSS3
Solid understanding of CNN, ResNet50, InceptionV3, Mask R-CNN
Familiar with Tensorflow, Keras, OpenCV, Scikit Learn
Have basic knowledge of GitHub
Good at Googling
Strong Communication, and Collaboration

Languages

Bangla:Native ; English:Fluent ; Hindi:Fluent

**MOOCs on
DataCamp**

Biomedical Image Analysis in Python	November 2020- December 2020
Image processing in Python	January 2021-February 2021

Participations

NEUB Intra Department ICT Fest, 2018.
National Girls Programming Contest,2019.
Grace Hopper Girls' Programming Contest, 2019.

**Extra
Curriculum
Activities**

Mentor: mentored undergraduate CSE students on different projects.
Student volunteer: taught Secondary School students to achieve better grades.

Last updated: 28 Oct 2021