

Curriculum Vitae

PRAMIT DUTTA

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Academic Credentials

Bachelor of Science in Electronics and Telecommunication Engineering

CGPA:3.81/4.00 (3.88/4.00 in last 4 semester)

Chittagong University of Engineering & Technology (CUET)

January, 2018- March, 2023

Mentionable Courses: Basic Electrical Engineering, Computer Programming and Numerical Analysis, Electronics-I and II, Data structure and Algorithm, Signal and System, Digital Logic Design, Control System, Digital Communication, Digital Signal Processing, Multimedia Communication, Neural and Fuzzy Systems in Communication and Biomedical Instrumentation.

Field of Interest

I am a Machine Learning enthusiast. My field of interest is deep learning. Most of my undergraduate projects are on the application of deep learning in the field of computer vision. I also have some working knowledge in the field of IoT, Biomedical Engineering and Intelligent Control

Technical Skills

Programming: Python, MATLAB, LaTeX, PHP, MySQL

Framework: Tensorflow

Engineering Software: MATLAB, Simulink, Fuzzy Logic Toolbox

Research Experience

Undergraduate Thesis:

Title: Conv-ViT: A Convolution and Vision Transformer based Hybrid Feature Extraction Method to Detect Retinal Disease Detection

Description: A triple stream feature extractor which fuse the feature extracted by Inception V3, ResNet-50 and Vision Transformer.

Supervisor: Dr. Md. Azad Hossain

Publication:

Serial No	Title	URL
01.	Conv-ViT: A Convolution and Vision Transformer based Hybrid Feature Extraction Method to Detect Retinal Disease Detection	Revision Stage
02.	Identifying Counterfeit Products using Blockchain Technology in Supply Chain System	[Check Out The Paper]
03.	COVID-19 Detection using Transfer Learning with Convolutional Neural Network	[Check Out The Paper]
04.	Optimization of Temperature and Relative Humidity in an Automatic Egg Incubator Using Mamdani Fuzzy Inference System	[Check Out The Paper]
05.	Multi-Classification of Brain Tumour Images Using Transfer Learning Based Deep Neural Network	[Check Out The Paper]

Reviewer: 1. Reviewer at IAES International Journal of Artificial Intelligence [[Certificate](#)]
 2. Reviewer at Bulletin of Electrical Engineering and Informatics [[Certificate](#)]

Projects

1. Brain Tumour Classification Using Transfer Learning

[Check It Out](#)

- A model to classify different types of brain tumour into their particular types using transfer learning model Inception V3.

2. Stock Price Prediction

[Check It Out](#)

-Designed a RNN model to predict upward or downward trend of Google Stock Price

3. Face Detection

[Check It Out](#)

- A model to detect human face in an image using OpenCV in python

Work Experience

Engineering Intern (Remote)

May 2021 – September 2021 (4 month)

GaoTek Inc.

Description: Worked as an engineering interns. My responsibility was to provide tech support to my teams.

Certificate: [Certificate-1](#), [Certificate-2](#), [Certificate-3](#)

Extra-Curricular Activities and Achievement

Achievement:

- ☐ 2nd Runner Up in Recruitment4.0 organized by JobMarketBDLtd.

- ❑ 2nd Runner Up in Leadership4.0 organized by JobMarketBD Ltd.

Position:

- ❑ Research Secretary at CUET Carrier Club (CUET CC)
- ❑ Member and Mentor at CUET Debating Society (CUET DS)

Scholarships

Technical Board Scholarship (*8 consecutive times*)

2018-2023

The Scholarship is given to the students for securing top position in the class.

Linguistic Proficiency

- ✦ Bangla (Native Language)
- ✦ English (Fluent Working Proficiency)

Certification

1. Machine Learning an online non-credit course authorized by Stanford University and offered through Coursera [\[External Link\]](#)
2. DeepLearning.AI TensorFlow Developer Professional Certificate [\[External Link\]](#)
3. TensorFlow Advance Techniques Specialization Certificate authorized by DeepLearning.AI and offered through Coursera [\[External Link\]](#)
4. AI For Medicine Specialization Certificate authorized by DeepLearning.AI and offered through Coursera [\[External Link\]](#)
5. Internet of Things provided by Planetter Ltd. [\[External Link\]](#)

References

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