

Curriculum Vitae  
**PRAMIT DUTTA**

Email: [pramitduttaanik@gmail.com](mailto:pramitduttaanik@gmail.com)

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## Academic Credentials

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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

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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

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**Programming:** Python, MATLAB, LaTeX, PHP, MySQL

**Framework:** Tensorflow

**Engineering Software:** MATLAB, Simulink, Fuzzy Logic Toolbox

## Research Experience

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### 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	<a href="#">[Check Out The Paper]</a>
02.	Identifying Counterfeit Products using Blockchain Technology in Supply Chain System	<a href="#">[Check Out The Paper]</a>
03.	COVID-19 Detection using Transfer Learning with Convolutional Neural Network	<a href="#">[Check Out The Paper]</a>
04.	Optimization of Temperature and Relative Humidity in an Automatic Egg Incubator Using Mamdani Fuzzy Inference System	<a href="#">[Check Out The Paper]</a>
05.	Multi-Classification of Brain Tumour Images Using Transfer Learning Based Deep Neural Network	<a href="#">[Check Out The Paper]</a>

**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:**

- ☐ 2<sup>nd</sup> Runner Up in Recruitment4.0 organized by JobMarketBDLtd.
- ☐ 2<sup>nd</sup> Runner Up in Leadership4.0 organized by JobMarketBDLtd.

**Position:**

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

**Scholarships**

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**Technical Board Scholarship** (*8 consecutive times*)

2018-2023 The

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

**Linguistic Proficiency**

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

**Certification**

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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 Planeter Ltd. [\[External Link\]](#)

**References**

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Dr. Md. Azad Hossain  
Professor,  
Department of Electronics and  
Telecommunication Engineering,  
Chittagong University of  
Engineering and Technology.  
Email: [azad@cueta.ac.bd](mailto:azad@cueta.ac.bd)

Dr. Md. Saiful Islam  
Associate Professor,  
Department of Electronics and  
Telecommunication Engineering,  
Chittagong University of  
Engineering and Technology.  
Email: [saiful05eee@cueta.ac.bd](mailto:saiful05eee@cueta.ac.bd)