




# ARYA

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## EDUCATION

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**Ramaiah Institute of Technology**

Bachelor of Engineering in Information Science and Engineering

*Dec 2020 - Present*

Overall GPA:8.85/10

## TECHNICAL STRENGTHS

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<b>Interests</b>	Data Structures,Algorithm,Problem Solving,Web Development,Machine learning, Deep learning
<b>Computer Languages</b>	C/C++, Python, Java, JavaScript
<b>Software &amp; Tools</b>	HTML, CSS, Bootstrap, Flask, Pytorch, TensorFlow, Node.js, MongoDB

## PROJECTS

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### Face Recognition - For Security

Developed using Flask.This web application is basically a system which uses face recognition to login to any account. People can use this login application for various websites or web applications. It also has provision for registering face for new entries.

### ICLR Workshop Challenge-1, CGIAR Computer Vision for Crop Disease

Built a machine learning framework for identification of wheat rust in crop images - healthy, has stem rust, or has leaf rust. Handled massive class-imbalance using weighted focal loss and heavy augmentations.

### Bengali.AI

Multi-label Multi-classification i.e separately classifying three constituent elements in the image of a handwritten Bengali grapheme - grapheme root, vowel diacritics, and consonant diacritics. Explored new architecture design with multiple heads as a single classification pipeline.

### Face Mask Detection

Used an existing SOTA object detection model (EfficientDet) for categorizing a new face mask dataset on 20 classes.

## ACADEMIC ACHIEVEMENTS

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- (1)Mentee at Microsoft Engage'22 - Recommended for interview
- (2) 94.2 percent in 10th board CBSE
- (3) 94.8 percent in 12th board CBSE
- (4) 1488 rank among 60000 applicant in COMED-K 2020

## RELEVANT COURSES

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### Core Courses

Data Structures & Algorithm  
Data communication  
Operating System  
OOPS in JAVA  
Integral calculus  
Differential calculus  
Computer architecture and Organisation  
Design and Analysis of Algorithm

### Other Courses

Python Masterclass (udemy)  
Node.js (udemy)  
DSA by Coding Ninjas  
Machine learning by Stanford  
Git Essential Training - Linkedin Certification  
Deep learning specialization (Coursera)  
Excel Essential Training (Office365/Microsoft365)  
Git Essential Training - Linkedin Certification

## VOLUNTEER FOR SOCIAL SERVICE

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- (1) Upchild Foundation - Teaching students from economically weaker sections
  - (2) 5 mile Walkathon for Parkinson's
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