

## EDUCATION

### Bharath Institute of Higher Education and Research

Bachelor of Technology  
Mechatronics | 2017 – 2021

CGPA : 7.8

## SKILLS

### Coding

Python | C | C++ | Dart

### Machine Learning Tool & Frameworks

Tensorflow | Keras | Pytorch | OpenCV |  
YOLO | CUDA | Sci-kit learn | Numpy |  
Seaborn | Scipy | Pandas | | Matplotlib  
Docker | Git | Flask | Rest

### App Development

Flutter | Firebase

### Cloud

GCP

### IDE

Pycharm | Anaconda | VIM | Visual studio  
Code | Android Studio

### Languages Known

English | Tamil | German

## Projects

Imaging Inspection of Mechanical Gear  
using MASK RCNN | Facial Recognition  
Receptionist | Facial Mask Detection  
Application | Image Captioning for Blind  
People | Poem Generator | Deepfaking  
with Autoencoders | Real Time Detection  
of Apple Leaf Diseases | ALITA E-  
Commerce App | Real Time Industrial  
Monitoring System

## CONTACT

[nizamudeen1200@gmail.com](mailto:nizamudeen1200@gmail.com)

+91 8637626395

[https://www.linkedin.com/in/nizamudee  
n-a-8b7245199/](https://www.linkedin.com/in/nizamudeen-a-8b7245199/)

<https://github.com/jarvis1200>

## Portfolio

[www.nizam.unaux.com](http://www.nizam.unaux.com)

# NIZAMUDEEN A

Chennai, India | 60.243.83.132

## EXPERIENCE

### Ajlon Technologies | Chennai

#### Machine Learning Engineer – 12/2020 to Present

- Developing real-time computer vision and machine learning algorithms to analyze high-resolution point cloud data in highly dynamic scenes. The principal focus of these algorithms is directed toward the segmentation, detection, recognition, tracking, and motion prediction of common objects in road environments
- Developed new software for facial recognition robot and implemented some features like motion capture, motion estimation, 3D reconstruction, structure-from-motion, visual odometry, feature detection.
- Created instant imaging segmentation software using **MASK RCNN** to detect and scrutinize the failure product of mechanical gears, which give reliable, cost-effective, and high-quality solutions for manufacturing products.

### The Spark Technologies | Remote

#### Data Science Intern – 09/2020 to 11/2020

- Applied rapid application development (RAD) techniques to programming tasks.
- Translated benefits of machine learning technology for non-technical audiences, including cost/benefit analyses.
- Designed and developed Business products using supervised & unsupervised machine learning and decision tree algorithm.

### Technocolabs | Remote

#### Computer Vision Intern – 06/2020 to 09/2020

- Designed and Developed projects for the company on the various domains of tasks such as Image Classification, Image transformation, Face Detection algorithms, Image segmentation, Application development using frameworks like **tf.lite**, or **flask** for a web server deployment using **docker** and other cloud platforms.
- Achieved on various tasks along with the final project on Facial Mask Detection
- Application. Pursued learning opportunities to advance knowledge and take on leadership position

### TwinTech Solutions | Chennai

#### Android / Web Development – 01/2020 to 03/2020

- Analyzed user requirement reports to design web applications to meet customer needs, as well as all legal and budgetary restrictions.
- Designed new features for Flutter mobile apps such as CRM Web application and Attendance Punching Mobile App.
- Led a highly effective team of 4 developers in the Flutter mobile app creation cycle for both Android and IOS.

### Airport Authority of India | Chennai

#### Mechanical Engineering Intern – 05/2019 to 07/2019

- Achieved practical experience in the operation, repair, and maintenance of Forklifts, LMV's, HMV's, and other specialized equipment.
- The Rosenbauer Panther 6x6 firetruck which is used in Chennai Airport is more powerful and has a high-tech control systems learned a lot about the control systems, parts, and working of this fire-engine.